RCMA

NEWSLETTER

DECEMBER 1985

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

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RCMA NEWSLETTER

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Boca Raton, FL 33431

ASSISTANT EDITOR

Ginny Slick (MD-012)
1 West Potomac
Williamsport, MD 21795

FOR YOUR INFORMATION:

1. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

2. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA General Manager, P.O. Box 542, Silverado, CA 92676.

3. PLEASE INCLUDE YOUR RCMA MEMBERSHIP NUMBER WITH ALL CORRESPONDENCE to newsletter editors or club headquarters.

4. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

5. Please write on only one side of the paper.

6. Please don't combine in one letter several items that should go to different addresses.

7. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

8. Your RCMA membership number and expiration date appear on your newsletter mailing label.

9. You may join or renew your membership for ONLY one year at a time.

10. RCMA accepts paid advertising. For information on advertising rates and mechanical requirements, contact Carol Ruth, RCMA Advertising Manager, P.O. Box 542, Silverado, CA 92676.

RCMA NEWSLETTER

Issue 118 December 1985

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RCMA, Inc., P.O. Box 4563, Anaheim, CA 92803

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CONTACTING RCMA?

Membership applications or renewals, address changes, inquiries about delivery or renewal problems:

Write to: RCMA General Manager
P.O. Box 542
Silverado, CA 92676

Comments or questions about RCMA club policy or newsletter contact:

Write to: William Mauldin, RCMA General Editor
2268 N. W. 30th Rd.
Boca Raton, FL 33431

Letters for publication in "Your Thoughts" column:

Write to: Ginny Slick
1 West Potomac
Williamsport, MD 21795

Correspondence sent to RCMA's Anaheim Post Office Box will still be answered, but there will be a 4-6 week delay.

MERRY CHRISTMAS FROM RCMA! Our new photo covers start off with the largest Christmas tree in Los Angeles. This 200-foot oil derrick atop the Baldwin Hills is seen for many miles. The rest of the year, it functions as a handy radio tower.

The RCMA Newsletter is published by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, Inc., P.O. Box 4563, Anaheim CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$18.50; Europe—$20.00, South Pacific and Asia—$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted ©. Reproduction of any material in this newsletter is prohibited without prior written consent.

CALENDER

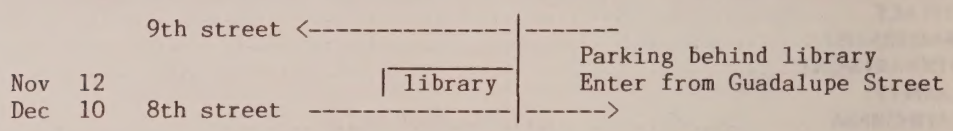
Send notices of upcoming events for the Calender section to:
John R. Clark, 2701 Fairview Road, Costa Mesa, CA 92620
Deadline: 1st of the month two months prior to cover date.

R.C.M.A. Greater L. A. Area Chapter

Contact : Eric J. Christensen (CA-LA-045)
P.O. Box 3962 Santa Fe Springs, CA 90670-1962

Austin Area Radio Listeners Meeting

Meeting every 2nd Tuesday 6:45 PM Austin Public Library 4th floor room B. For more information, contact Richard Quintanilla TX 043 Austin Radio Club, P.O. Box 5053, Austin TX 78763



R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: NANCINI'S Resturant 5555 St Charles Road, Berkeley, IL
two blocks east of St Charles Road exit from Eisenhouer
Expressway Extention I-290 (phone 312 544 7277)

Saturday November 16, 1985 1:00 PM

Visitors are welcome but please confirm the date in advance.

A SASE on file assures notification of tours and other items which may be scheduled on short notice.

R.C.M.A. for D.C., MD, VA, & DE

Contact: Capitol Hill Monitors % Alan Henney (MD 069)
6912 Prince Georges Ave, Takoma Park, MD 20912

R.C.M.A. Minneapolis—St. Paul Area

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

A SASE on file assures notification of chapter activities (tours, gatherings, etc). Non members are welcome to attend.

Southern New England Scanners Club

Contact Maurice Dennis Dandeneau RI-017 SNEC President 401-732-0812
P.O. Box 7052, Warwick, RI 02887 (modem on phone)

R.C.M.A. Wisconsin

Contact Scott W. Miller WI-039
122 Greenbriar Drive, Sun Prairie, WI 53590

All Ohio Scanner Club

David B. Marshall OH 146 President
50 Villa Road, Springfield, OH 45503 - 1036

The All Ohio Scanner Club also offers coverage of Indiana, Kentucky, Michigan, Pennsylvania, Tennessee, West Virginia, and Ontario, Canada. We welcome members from these and other areas who wish to join our club. Sample Newsletter: $1.00 plus .22 stamp. Membership information for a large SASE.

Ham Radio Conventions ---Remember, most legal restrictions on scanners and Fuzz Busters etc. always have exemptions for "License Radio Operators". It may pay everyone to pick up an Amateur Radio License. At each of these conventions you will find someone who can help you obtain your license.

Last Saturday of month TRW Swap Meet Aviation & Marine, Manhattan Beach, CA

January 12-13		Sarasota FL	January 26	?	Greenville, AL
February 8-9		Miami, FL	February 8	?	Inverness, FL
February 15	?	Stuart, FL	February 16	?	Pinellas Park, FL
February 22	?	Fort Myers, FL	March 1	?	Brooksville, FL
March 8-9		Orlando, FL	March 15-16		Fort Walton Beach, FL
March 22-23		Columbus, GA	April 19		Kennohoochee, GA
April 20	?	Athens, GA	May 10-11	?	Key West, FL
May 17-18	?	Biringham, AL	May 17-18	?	Toccoa/Hartwell, GA
May 25	?	Chipley, FL	June 6-7	?	Albany, GA
June 7-8	?	Rossville, GA	July 19-20		Atlanta, GA

Dates followed by ? were last year's weekends, but should be valid for this year.

NEED BACK ISSUES OF THE RCMA NEWSLETTER:

Lots (Months/Year)	No. of Issues	Price
Sept 75 — June/July 76 (No Oct. or Nov. Published)	7	$2.00
August — Dec. 76 (No Oct. Published)	4	$3.00
Jan. — June 77	6	$4.00
July — Dec. 77	6	$4.00
Jan. — June 78	6	$5.00
July — Dec. 78	6	$5.00
Jan. — June 79	6	$6.00
July — Dec. 79	6	$7.00

1980—to date issues are available at $1.50 per copy

Order Total	Include This Amount of Postage
$ 1.50 — $ 5	$1.20
$ 5.50 — $10	$2.25
$10.50 — $15	#3.30
$15.50 — $25	$4.15
$25.50 — $35	$5.50
Over $35	$7.00

Send your request & check/M.O. (payable to RCMA) to:
RCMA General Manager
P.O. Box 542
Silverado, CA 92676

your thoughts

Ginny Slick, Assistant Editor
1 West Potomac, Williamsport, MD 21795

To the Editor:

By the time these words make it into the Newsletter, it will probably be a gross misdemeanor to knowingly monitor cellular phones in the state of California. Yes, "Use an MX 7000, go to jail" has passed, with only six dissenting votes. So much for free airwaves.

I cannot exactly say that my six-month letter writing campaign was a great success here. Not only did I not change a single mind anywhere, but I did not inspire action from one single manufacturer or user

group. SCAN, an organization with few California members, took a stand, but that was it. Not too cool, people; not too cool at all.

Now it's reality time. All smug belief in the FCC, or in some sort of precedent for public airwaves, has been once again proven to be only a self-delusion on the part of naive radio users.

Ham radio groups have known for 70 years that the radio spectrum is, in fact, a resource, and that every Hertz must be constantly fought over. They have been legislated clean off the air at least once, and fight hundreds of local challenges yearly.

Thus I am not surprised that all of the amendments to this cellular bill were won by a few well-connected ham attorneys that look out for this sort of thing. Juries of technical dunderheads may forever deadlock on what exactly is and is not a ham radio (specifically protected), or what constitutes malice (now required). As a licensed Extra Class amateur, I can continue to go about my job without having to break this stupid law. I wish everyone else was as lucky.

I cannot feel good about monitoring's long-term survival. Forget the FCC; even when it had a realistic budget, it stayed out of matters involving receivers only.

I saw this thing start in L.A., where most bad ideas seem to start, and I watched the supposedly altruistic phone companies do their thing until I was slightly nauseous. All the yellow journalism, all the grey suits rushing to Sacramento, all the money leaking from leather briefcases, all prove that this is a new ball game. American politics are increasingly played by groups, some with industry support, all with big bucks. If scanner users and makers continue to stay disunited or apathetic, they will be ground under - period.

Our hobby exists solely because, until now, it has fallen through some legal loopholes in a country that professes to have abstract notions of free flow of information. These notions exist NOWHERE ELSE ON EARTH. Even here, they are under increasing attack from liberal bureaucrats and conservative paranoids alike.

What'll it be folks; unity or stamp collecting?

Sincerely,

Hugh Stegman

Hugh Stegman (CA-LA-472)

To the Editor:

Many states have begun regulating the use of scanners in one's automobile. The State of Michigan is such, but a person can still carry a scanner while out walking or going to the mall shopping.

I now live in Indiana again, and here in Indiana it is illegal to even have a radio capable of receiving police calls ouside one's home! Can you imagine being arrested for having a police scanner on your patio during a family reunion!

I thought that only the Communications Act of 1934 written by the Federal Government could control the radio waves. Aren't the states overstepping their bounds a little bit?

I'd like to hear some responses from other readers concerning this matter.

Sincerely,

Gary L. Sturm (IN-045)
27639 Maple Valley Drive
Elkhart, IN 46517

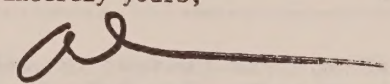
Dear Bill,

In response to the letter from Joe Buday (PA-186) concerning Senate Bill 637, the scanner bill recently introduced in the Pennsylvania State Senate, I am enclosing a copy of a letter from State Senator John Shumaker which appeared in the June 28 edition of the Harrisburg Patriot.

The letter is self-explanatory, and I hope it will be of interest to the membership.

Thank you.

Sincerely yours,



Albert H. Lorence (PA-029)

the FORUM

No scanners for criminals

EDITOR:

I READ with interest the letter to the editor from Dan Hunter of Harrisburg which appeared in the June 18 edition of the Patriot and the Evening News concerning the proposed scanner bill.

Sen. Roger Madigan, primary sponsor of SB 637, introduced this bill at the request of several local police departments. His purpose was to bring to public attention problems that the police were occasioning concerning the use of scanners to:

(1) Prevent criminals from capitalizing on the use of radio scanners to plot burglaries or other illicit activities by keeping close tabs on police; and

(2) Express their concern that citizens with monitors often arrive at the scene of a crime or accident investigation before police, a situation that apparently has or could jeopardize their safety and that of persons in need of help.

The bill was referred to the Transportation Committee on March 27, 1985. I have talked with Senator Madigan and he has assured me that he will not request the bill be called up for consideration since his purpose for introduction (to bring these problems to the public's attention) has occurred. He feels that if the public understands the problems then alternatives, such as possibly making it a violation of the criminal code to use a scanner in the planning and/or perpetration of a crime, can be sought.

It is not and never was the intent of the legislation to ban the use of scanners particularly by such groups as firemen, medical services personnel, FCC licensed ham operators, press and media, etc., who need scanners in the performance of their very important public service work. It would also be impractical to do so because many of the scanning units are carried by hand and/or are in households.

My goal is to introduce legislation that will make improper criminal use of scanners a violation of the criminal code.

—John H. Shumaker, Harrisburg

The writer represents the 15th District (Dauphin County) in the Pennsylvania Senate.

To the Editor:

I am writing this letter not as criticism, but simply because I want to see a portion of the bulletin reinstated. Some time ago I wrote to Sgt. Silva, the Aircraft editor (SASE enclosed), I didn't receive a reply. He had a survey in a recent issue to which I promptly responded. I wrote him a very nice letter encouraging him to go on with the column, and also explaining that there were many people like myself who were new at the hobby, and needed to get their feet wet before they contributed anything meaningful to a column.

Sometimes I wonder just how seriously these editors take their jobs, and when someone does write, why they don't reply. Now I live within a couple of miles from San Francisco Intl.Airport, and it was this column,Aircraft, that got me started listening on my pro-30, and exchanging information with a Canadian member. If the editor of Aircraft thinks that people aren't taking interest, he is wrong.

Sincerely,
Don (CASM032)

FROM THE EDITOR:

I apologize to any contributors of my column last month who did not receive an acknowledgement or if they did, had to pay for it! I realized a week or so later that I had used old postcards and neglected to add sufficient postage. I hope that it hasn't happened before and I'll try not to let it happen again. Thanks for all the letters this month. It really made my job so easy!

Ginny

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS
NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

Write to Joe Barr, 1500 Bunbury Dr., Whittier, CA 90601, for the following:
Copy of ANARC Club List — Sent 25¢ and an SASE (business size)
Sample Copy of ANARC Newsletter — Send 60¢ and an SASE (business size)
Annual Subscription to ANARC Newsletter — $7.50 for residents of U.S., Canada, and Mexico; $10 Overseas (Airmail)

ANARC 1986 Convention will be held June 18-20 in Montreal, Quebec, Canada, hosted by Ian McFarland and Radio Canada International. The Convention Hotel is Holiday Inn, Place Dupuis, 1415 St. Hubert St. Montreal, Quebec, Canada. All sessions will be held at the hotel.

Central Maryland Dx Association meets on the 2nd Monday of each month. for information contact Tony Kobylski (301) 563 0039

MICHIGAN AREA RADIO ENTHUSAISTS (MARE) Meeting Sunday November 17, 2PM-5PM Dearborn, MI Civic Center. For details send a SASE to : MARE, 24500 Union, Dearborn, MI 48124. Steve Lare, Harold Frodge, and Don Fleming have been elected to the Board of Directors for MARE. Scheduled DXexpedition IS set for December 6-8 at a cabin in the Island Lake Recreation Area.

ANARC OVER THE HORIZON RADAR COMMITTEE, chaired by RCMA's Robert Horvitz, is scheduling a report "Woodpecker" interference at the next World Administrative Conference (WRAC). To help raise funds for the projects costs, "Woodpecker T-Shirts" are being sold for $10.00. Make checks payable to Robert Horvitz, 1634 15th St., NW, Washington, D.C. 20009

ANARC SHORTWAVE BULLETIN BOARD SYSTEM goes on-line. The system directed by the ANARC Computer Information Committee, 4347 29th St. S.E., Rochester, MN 55904. If you are interested and wish to participate sent a SASE to the above address.

RADIO DATABASE INTERNATIONAL edited by Larry Magne is the quick-access guide to shortwave broadcasting data. Part I is now available for $9.95 from International Broadcasting Services Ltd, P.O. Box 300, Penn's Park, PA 18943

MIDNIGHT MAILER published by Dick Smith Electronics, P.O. Box 8021, Redwood City CA 94063, is now available FREE to all DXers. To get a copy call 1-800-332-5373

********** NOTICE ********** NOTICE **********

HANDICAPPED AID PROGRAM HAP-USE Has been dropped from ANARC for the non-payment of their 1985 dues. However a letter from John M. Kapinos to RCMA has indicated the group is not flat busted. They have $2,000+ in a bank account.

The problem is since the resignation of the former President no one has been keeping up on the paperwork. The group HAP-USA is now in dire need of some one or a group of volunteers to come forward and carry on some of the duties. Mr Kapinos has indicated the amount of time would be in the area of 50-70 hours per month, and he cannot do so and carry on with the duties of treasurer at the same time.

If someones does not come forward by December 31, 1985, he will have to declare HAP-USA defunct, and the funds in the bank will be distributed by the State of Massachusetts.

If any one is interested now is the time to step forward!! Contact John M. Kapinos, 86 S. Quinsigamond Ave, Shrewsbury, MA 01545 USA

THE 6800 SWL-DX FRIENDSHIP SOCIETY is very much alive and is producing a newsletter "the 6800 Fan Club News". The only cost to receive a copy in CANADA is a SASE. In the USA and other countries a self-addressed size #10 envelope and two(2) I.R.C.s

The 6800 SWL-DX FRIENDSHIP is the North American agent for "The International Listening Guide" (The I.L.G is $10.00 in Canadian and $8.00 in US funds). They request prospective members to send at least 75 words describing their interest in the radio hobby. There are no dues or fees, the only requirement being the hobbyist be a Sony user.

Contact Douglas Hopkins, CD Suite 1012, 1360 York Mills Rd, Don Mills Ontario, M3A 2A2, Canada

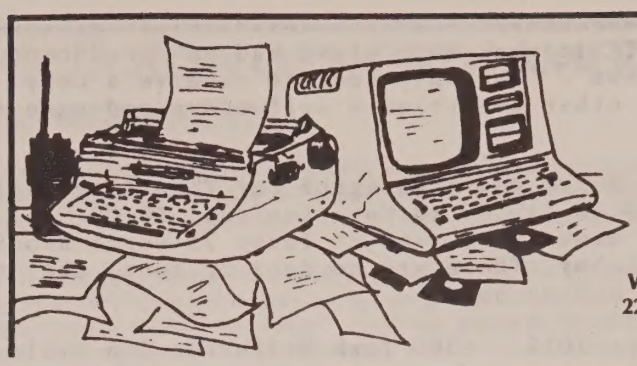
GATEWAY DX CLUB INTERNATIONAL, 836 Lamplight Lane, Hazelwood, MO 63042 is a DX club located in the St Louis Area. They propose to publish a bulletin of logs for SW,AM(MW), FM and TV. They plan to hold occasional meetings to exchange reception reports, discuss equipment, logging techniques, QSL strategies, and to get acquainted. Dues are $4.00 Bulletin is bi-monthly. Sample bulletins available for a SASE in US and Canada, and for 2 IRC's Worldwide. Eric Bueneman is President, assisted by Bob Flick.

One of their objectives is to go on modest DXexpeditions where temporary or semi-permanent Beverage antennas may be employed. A project one person cannot handle alone.

RCMA BUSINESS REPORT

RCMA is now incorporated in the state of California; our Board of Directors and Officers are listed on the inside front cover. The RCMA fiscal year is the same as the calendar year. Expenditures are summarized below, by quarter, for the first three quarters of 1985. A summary of the fourth quarter will appear in the March '86 issue, and quarterly thereafter.

	1st Quarter	2nd Quarter	3rd Quarter	Year-to-Date
Mail Prep. & Computer Updating	1273.74	1130.24	1032.87	3436.85
Newsletter Production & Printing	4795.91	5297.35	5151.34	15244.60
Postage:				
Permit & P.O. Box	80.00			80.00
Bulk (3rd class)	612.23	710.12	650.44	1972.79
1st class	846.32	851.79	791.82	2489.93
Bk Issue Storage	156.00	156.00	156.00	468.00
Office Supplies	37.60	67.84	80.50	185.94
Returned Checks	39.00	4.50	4.50	48.00
Incorporation:				
Legal	1750.00			1750.00
Accounting	425.00	356.00		781.00
ANARC Dues	82.00			82.00
Interstate Dir. of Publications	100.00			100.00
Subscription Adjustments	27.66			27.66
	$10225.46	$ 8573.84	$ 7867.47	$26666.77
Balance 1/1/85: $ 9735.87				
Deposits	$11550.25	$ 7333.00	$ 6359.75	$25243.00
Balance 9/30/85: $8,312.10				



From The CAPTAIN'S DESK

William Mauldin, RCMA General Editor
2268 N.W. 30th Rd., Boca Raton, FL 33431

SURVEY RESPONSE ACTIONS

The mid-year RCMA general membership survey gave us lots of information. We have been busy during the past few months printing some of this data in this column, and working on some of the many suggestions you offered. Nothing in RCMA changes quickly, and perhaps this is a good thing, for speed allows room for mistakes many times. But, in direct response to your input, here are some of the things you will be seeing in the coming year:

Amateur Radio: There was much interest in having a qualified amateur operator write a column for the general membership. Many RCMA members expressed an interest in ham radio, and most mentioned that they do spend some of their monitoring time listening to ham radio traffic, both VHF, UHF and HF, especially during local and national emergencies. To start, the column devoted to amateur radio will only appear every third month, on a rotation basis with some other subjeccts. Your comments were most helpful in this respect, and I will be quite interested in seeing your reaction to this new subject as it appears in 1986.

New Product Reviews: Perhaps the most desired subject mentioned in the new survey response was to have a column devoted to the review of new scanners and antenna systems. Steve of Tech Topics has been trying to incorporate this subject matter in his column, and will probably continue to do so, as this also qualifies as technical information, but by having an editor devoted to the subject, we can get even more information! We are now looking for someone who is both qualified and interested in taking this subject on! If you are qualified to write on new products related to our hobby of monitoring, please let me hear from you. This is another column that will receive wide spread attention. You must have access to new equipment and the technical equipment and ability to be fair, understanding and expressive when writing.

Computer Corner: Bob Cheek advised me recently that his column as not been receiving enough input for monthly printing, so Bob will start off 1986 with a printing assignment of every third month. I hope all of you computer buffs will devote a little more time and energy to sending Bob material and comments so that we can bring Computer Corner back monthly.

Business - Split East & West: In an attempt to give our BUSINESS section more coverage, we are splitting the Business column into two parts starting with January 1986. Brandt Niemuth, our current Business Editor, has been doing an excellent job, and for all of you Business monitoring members EAST OF THE MISSISSIPPI, Brandt will continue to be your editor. Cliff Polkinghorn, former Profile Editor, will be picking up the Business WEST column with the January 1986 issue. Cliff will cover all Business monitoring WEST of the Mississippi. I am hoping with this split that we can cover each section in more detail, and that the monitoring members can develop a close working relationship with the editor covering their area of interest. I wish both editors "good luck" in their new assignments!

Communications Profile: Joe M. Lewis, MD-015, has been one of the most supportive members I have ever come in contact with since joining RCMA. Few editors have not had input from Joe, and all of us are appreciative of his input, activity and interest. Joe M. Lewis, MD-015, 750 Scotland Street, Dunedin, FL 33528 will start as Profile Editor with January 1986! Joe has a talent for getting detailed information far beyond the average, and his interests cover every service and subject for all areas of the country. I look forward to working with Joe, and I am sure you will enjoy his new monthly column as our Profile Editor! Welcome aboard, Joe!

Monitoring & the Law: This column was part of the RCMA reading when I first joined, but lack of input and activity has caused the column to be dropped. With more and more bills and laws pending, we need to get back in this area again. I am taking applications from interested, qualified members who would like to write on this subject every third month. This column will start off rotating with Amateur Radio and Computer Corner. We will see if there is enough new equipment and input to justify a monthly New Product Review column, once an Editor position is accepted by a qualified person.

We are hoping to improve the RCMA NEWSLETTER with the above changes. Your input in the June general membership survey is responsible for this effort! Many members commented that

RCMA was not responsive to what the members wanted. Our yearly general membership survey will appear in June each year. As in 1985, this will be your chance to take a vote in our direction and coverage. My thanks again to those who took part this year!

HELP WANTED - OPEN EDITOR POSITIONS

This column is being written on October 1st. As of this writing, we have openings for the following editor positions. If you are interested in becoming as editor, please let me hear from you. Remember, all editors are unpaid, but the rest of the membership certainly benefits from your efforts. When you submit your application, please write on the typewriter or word processing printer that you would use for the column. All columns must be camera ready when received by Carol. Tell me of your qualifications, interests, and ideas. All applications will be acknowledged. The following columns are open as of this date:

Public Safety Northeast
New Product Reviews
Amateur Radio
Monitoring and the Law

NEW PUBLICATIONS ON SCANNING

Fox Marketing, Inc., 4518 Taylorsville Road, Dayton, Ohio 45424, has issued another in their series of Scanner Radio Listings. The new edition covers Long Island, New York. Yes, that is correct... 129 pages devoted to Long Island. Needless to say, Fox has again gone to much effort to give detailed coverage to an area. As with the other Fox directories, the services and frequencies of Nassau and Suffolk counties are broken down in detail with this cross reference directory. For those of you who scan the Long Island area, I would think you do well to get a copy of this new edition. You can find Fox directories at local dealers or call Fox direct on their toll free line, 1-800-543-7892. We wish to thank Fox for making this edition available to us for review, and for also mentioning RCMA in the publication as the club devoted to scanning!

The 1986 Editions of Police Call will be out soon. This year, Gene Hughes, Editor, will be listing the ever increasing 800 MHz channels devoted to Police, Fire and Special Emergency. The books promise to be bigger, more detailed and more useful than ever. Gene has been a long time RCMA supporter, has always mentioned RCMA in his publications, and we are looking forward to the updated, more detailed editions which are coming soon!

RCMA encourages publishers to let us know of scanner related publications. As a service to our members, we always enjoy reviewing publications directly related to our hobby. Publishers are encouraged to advertise with us, as our rates are very reasonable. The RCMA General Manager, Carol Ruth, has full details and rates available on request.

NEW SCANNER ON THE MARKET

ICOM OF AMERICA, INC. has announced the newest scanner on the market. The Icom R-7000 has some very impressive qualifications, and a "very impressive" price. The R-7000 has a retail price of $899.00, but already the unit has been listed by the discount amateur dealers at prices well below suggested list. Advanced Icom technology gives the R-7000 a listening range from 25 MHz to 2000 MHz, in FM narrow, FM wide, upper & lower sideband, and AM. The unit boasts six tuning speeds, keyboard entry, 99 memories - by frequency, mode and access, automatic memory, dual color display, noise blanker, metering, optional remote controller and voice synthesizer. With regard to the wide frequency coverage, Icom offers a specification guarantee for the 25 MHz to 1300 MHz range. This small (4 3/8"H x 11 1/4"W x 10 7/8"D) 99 channel all mode scanner may just the the hottest thing to hit the market in years. Icom has been making impressive radio gear for the amateur and commercial market for years. Member reports to Steve in Tech Topics would be most interesting!

RCMA DESK INDEX FOR 1985

(Column Started in June 1985)

June 1985: ARRL Repeater Directory, Kustom HAWK Police Radar, Las Vegas NV Police MDT System, Hurricane Net Information.

July 1985: ARRL Net Directory, 1985 Hurricane Season and related communications.

August 1985: Motorola MDT, Radar vs. Vascar, Police Call 1985, American Fire Services, Monitor America Directory.

September 1985: PA Scanner Bill pending, RCMA Survey results.

October 1985: More RCMA Survey Results.

November 1985: RCMA Membership frequency listing from Survey 1985.

December 1985: Survey Responses, Editor Changes for 1986, Fox Directories, New Icom R-7000 Scanner information.

Closing Comments: Remember, when you write a "Letter to the Editor" to be considered for printing, it should be mailed to Ginny Slick, Assistant Editor, as noted inside the front over. Business and membership correspondence should be addressed to the General Manager, Carol Ruth, also noted in the front cover.

I would like to thank all of you who took part in the 1985 survey efforts. The staff is making an all out attempt to be more responsive to membership needs and desires, and we need and want your input during the coming year. From all of us to all of you, our warmest wishes for a very Merry Christmas and a Happy New Year!

AIRCRAFT

Send private, commerical, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

Darrel Charest, 1913F Oak Creek Lane, Bedford, TX 76022

Welcome to your aviation column.

Before we get into some frequency listings, you will have to bear with me for some editorializing.

Many stories and articles have appeared on network television and in our local newspapers related to the "Poor condition of our Air Traffic Control System." Nearly all of these make for exciting copy, but show complete misunderstanding of the problem.

Before the 1981 Controller Walkout, the FAA had a workforce of about 16,000 air traffic controllers. Most of these were dedicated, hardworking professionals, many of whom were approaching retirement age. At the same time there was a small core of malcontents who exercised a great deal of influence on the entire controller staff. They were continually attempting to force demands on the FAA for; more pay, shorter hours, additional free travel benefits, longer lunch breaks etc. And under pressure from the union the FAA acceded to most of these demands. Furthermore, most of the news media seemed to support the contention these individuals were grossly overworked and underpaid. And it is certainly true that in some cases controllers did work heavy traffic for extended periods. The public should also realize that these controllers rarely occupied a control position for more than 5 hours of their 8 hour shift. The other 3 hours were spent on coffee and lunch breaks, briefings and administrative tasks or training. It should also be understood that not all air traffic control facilities handle the traffic volume of Chicago O'Hare or New York Center. Moreover, even in these busy facilities, the heavy traffic is concentrated in a 12 hour period from about 7AM to 7PM. What about Podunk Tower where the busiest part of the hour is taking the official weather observation? In some of these low activity towers the controller may not handle more than half a dozen aircraft every hour. Overworked? Underpaid? I don't really think so. Since the 1981 strike most of these towers have been closed. Those that reopened did so under private corporations with most of these being paid by the city.

For several years following the Walkout, the ATC system was severely handicapped for lack of personnel. And while an essentially new controller staff was being hired and trained, restrictions were placed on air traffic to preclude overloading the system. Now in 1985 the FAA has a work force of about 14,000 controllers who are handling record traffic volumes. And from my experience in flying in the system they are doing an OUTSTANDING job. There is no doubt in my mind that on some occasions the controllers are being loaded to capacity. But they are accepting this responsibility with few complaints.

There is a very noticeable difference in the attitude of the air traffic controller today as compared to 1981. The controller today is helpful, cheerful, confident, and a professional in every respect. The pre-1981 controller, especially just prior to the strike, was often surly, uncooperative, rude and insolent. In one incident in the Miami area, the controller delibertly vectored an aircarrier into a thunderstorm because the company had refused free transportation. Admittedly, this is an isolated occurrence, but it does reveal the attitude of many controllers during this period.

In my opinion controlling air traffic demands the skills and thought processes of an individual in his peak physical years, from 20 to 30. In fact 31 is the maximum age for hiring new controllers. Similarly, the air traffic controller is offered early retirement as a result of the stress placed upon him by the job. Furthermore, I feel this early retirement is well justified.

Today the ATC system operates effectively with fewer controllers and more airplanes than in 1981. One reason is the younger workforce. Contrary to news media comments on the sorry state of the ATC system, it is working better now than it ever has. To be sure there have been errors. But there were also errors when we had the older more experienced staff, perhaps even more. In any event, as long as humans perform the task errors will occur, some with tragic results. Yet, consider for a moment any job or profession where the individual is called upon to make split second decisions, perhaps many during the course of a single minute, and do so for hours, days or weeks without error. Remember too, these decisions deal directly with human life. Not one but hundreds.

Certainly each of us is entitled to our opinion, and you have seen mine in the lines above. This is not the result of some brief exposure to the ATC system, for I was in the business for nearly 35 years - 15 in active control and the other 20 in management and administration. At the time of my retirement in 1980 I served in the Regional Headquarters as an Air Traffic Evaluation Specialist. In this capacity I performed evaluations by observing operations within facilities and also as a pilot using the system. Since 1980 I have been active in flying, averaging about 500 hours per year, and have been thoroughly exposed to air traffic control. I consider myself an expert in ATC matters. Therefore, when I hear some politician cry for the return of the fired controllers, it makes my blood boil.

Let's have a look at some of the "Common" frequencies used in air traffic control. By "Common" I mean used for the same service throughout the U.S.

Ground Control	121.7 through 121.9
Unicom	122.7 through 123.0
Flight Service Stations	122.0 through 123.65
ATC Towers (Local Control)	118.0 through 121.6 with many exceptions
Military Towers	126.2 with some exceptions

Ground Control will normally operate on 121.9 except where more than one controlled airport serves a community. To eliminate interference, the second airport ground control will be assigned a frequency within the band 121.7 through 121.9

Unicom for many years operated on 122.8 except at controlled airports where the frequency was 123.0. The interference on 122.8 was almost unreal and rendered the service unusable at some locations. By spreading the load through the 122.7 - 123.0 band, communications become manageable. Even so interference still occurs on many of these channels.

Flight Service Stations use 122.0 through 123.65 to provide pilots with weather information and anything else that would be of concern to the pilot, i.e. current status of airports, navigation facilities and other pilot reports. Frequency 122.0 is used exclusively for Enroute Flight Advisory Service (EFAS) and pertains strictly to weather. Normally 123.6

is used by FSSs at airports without a control tower to provide traffic advisory service.

ATC Towers are generally confined to the 118.0 to 121.6 portion of the band, but there are many exceptions. Furthermore, some towers will have more than one frequency assigned, so that the position may be divided and controlled by two individuals.

Military Towers use 126.2 except where two or more military bases are in close proximity and sharing the frequency would cause interference. It should be noted that 126.2 is used primarily in controlling civilian air traffic. Most military aircraft use the UHF band.

Air Route Traffic Control Centers seem to operate throughout the entire spectrum from 118.0 through 135.975, but more activity will be found above 126.0. If there is a specific portion of the band set aside for ARTCCs, I don't know what it might be.

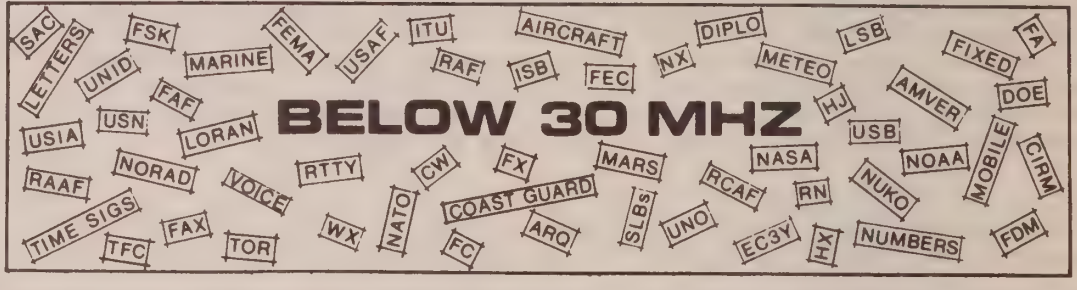
Aircarrier Company frequencies appear most commonly above the 129.0 channel. Some of these operate from remote sites, as does Aeronautical Radio Inc. (ARINC).

In future issues we will discuss in depth the function of:

1. The Flight Service Station (FSS)
2. Air Route Traffic Control Center (ARTCC)
3. Airport Traffic Control Tower (ATCT)

If you have ideas for these or other subjects related to air traffic, drop me a card.

See you next month.



This column is for HF AM, CW, SSB, RTTY and FAX reception reports, note, articles, and questions related to HF utilities. Services covered in this column include aeronautical, coastal/marine, weather, government, military and 'spy' stations — essentially everything except broadcasting, CB and amateur radio.

Send reports to: Geoff Halligey, 85 Southwood Road, Cottingham, England, HU16 5AJ.

NO COLUMN THIS MONTH

BUSINESS, ETC.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufacturers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.) General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Send Business monitoring information East of the Mississippi to:

Brandt Niemuth, P.O. Box 541, Rosemont, IL 60016

Send Business monitoring information West of the Mississippi to:

Cliff Polkinghorn, 14310 Acacia St., San Leandro, CA 94579

NO COLUMN THIS MONTH

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:

Rob Berezowski, 310-4045 Rae St, Regina, Saskatchewan, Canada S4S 6Y8

Season's Greetings to all from Regina. This month I have assembled an index for the Canada column for 1985. I hope it is free of errors. I am in the process of assembling indices for previous years as well. I will of course advise you all when these indices are ready. And now, without further delay:

RCMA CANADA COLUMN 1985 INDEX

FREQUENCIES, CODES & INFORMATION

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Automatic Mobile Telephone (SaskTel)		Nov 85
Calgary Police Service	Computer-Aided Dispatch (MDTs)	Feb 85
" " "	" " "	Apr 85
" " "	" " "	Oct 85
Cellular Telephone Systems	BC Tel Autotel (420 MHz)	Jun 85
	" " " " "	Sep 85
	BC Tel 800 MHz system	Sep 85
	Cantel (800 MHz)	Jun 85
	" " "	Sep 85
CN Rail (Saskatatchewan) radio system expansion		Nov 85

Edmonton Police Dept DVP system	Feb 85
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Mobile Data Terminals (MDTs) (United Cabs Saskatoon)	Apr 85
Motorola Privacy Plus system	Mar 85
Ontario Provincial Police (OPP) VHF system	Apr 85
" " " " " "	Jun 85
" " " " " "	Oct 85
RCMP (Saskatchewan) radio system expansion	Nov 85
Saskatoon City Police CADS (MDTs) & Radio system upgrade	Apr 85
Trunked Radio Systems 422 MHz	Aug 85
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Vancouver Advanced Light Rail Transit	Sep 85
Vancouver Mobile Radio Data System MRDS expansion	Sep 85
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MISC MATERIAL

Canadian Monitoring Laws (Summary)	Aug 85
Canadian police computer systems (CPIC/CNI)	Nov 85
Colonsay, Sask downed aircraft incidents	Mar 85
Dept of National Defence detention barracks (Edmonton)	Apr 85
Edmonton Police Dept raid on the "Fortress"	Feb 85
LCD Display problems (PRO-30/BC-100)	Apr 85 Aug 85
NASA Space Shuttle 1-900 hotline	Feb 85
Ontario Fire Buffs Assoc	Mar 85 May 85
Ontario Frequency Directory (Haruteq)	Oct 85
Ontario Provincial Police canine unit	Oct 85
Quebec City Fire Dept (Fire Prevention)	Jul 85
RF Surveillance Receiver (Watkins-Johnson)	Jun 85
Taxi Driver Scanner War (Sudbury, Ont)	May 85
Vancouver Police Dept (stuck microphone scenario)	Oct 85
Wildlife telemetry tracking units (Univ of Waterloo)	Feb 85

RCMA CANADA COLUMN 1985 INDEX

JANUARY 1985

BC Lower Mainland Info & Freq; BC Interior Info, including Prince George, Quesnel, Fort St John & other areas; Ont Prov Police VHF-Hi Freq list.

FEBRUARY 1985

Edmonton Police DVP article, and on cellular phones; NASA 1-900 Space Shuttle hotline; Montreal region info & update; BC Lower Mainland info & freq, (including info on the Pope's visit); brief article summaries for Calgary Police CADS, Edmonton Police raid on the "Fortress", and wildlife telemetry tracking.

MARCH 1985

Colonsay, Sask. downed aircraft incidents; Motorola Privacy Plus description; Ont Fire Buffs Assoc (brief discussion); Montreal and area frequencies, with details on the various fire depts in the area, and on EMS; brief update on Invermere, BC RCMP.

APRIL 1985

Ont Prov Police VHF testing update, with some info on Ont MTC; notes on LCD display care (for the BC-100 and the PRO-30); discussion of Mobile Data Terminals, with info on new MDTs for United Cabs (Saskatoon), the Calgary Police Service, and the Saskatoon Police Dept, with some additional info on expansion of the radio system in general for the Saskatoon PD; Edmonton PD info on the new DVP radios, and info on EPD & RCMP activities for the Pope's visit; BC Lower Mainland freq used during the freak snow storm, freq for the Surrey RCMP, and info on Vancouver area news media; discussion on the DND detention barracks in Edmonton; Simcoe County, Ont freq list.

MAY 1985

Lac-Megantic, Que area info; brief mention of Ont Fire Buffs Assoc, and info on semi-legal use of scanners by cab drivers in Sudbury, Ont; mention of the Windsor Central Ambulance Dispatch Service; Salmon Arm, BC and area freq list, with some freq for Vernon,

Sicamous, Kelowna, Kamloops, and other towns; Simcoe County, Ont freq list (part 2).

JUNE 1985

BC Lower Mainland area info, with info on BC Tel Autotel, and the CANTEL 800 MHz cellular system, info on CKVU and BC Hydro, list of public works freq for the BC Lower Mainland, Mobile Radio Data System (MDTs) update, and info on BC EHS; Ont MTC activity during flood, discussion of the new London region Central Ambulance Dispatch System; snow clearing freq for Windsor & Essex County; Edmonton Ambulance info, Alta RCMP ERT unit identifiers; Lethbridge, Alta freq list, plus a brief discussion of a dream RF surveillance receiver.

JULY 1985

Maritime Tel Mobile Telephone coverage map for Nova Scotia, PEI and New Brunswick; freq, map and info for the Nova Scotia Integrated Mobile Radio System; freq lists for St John, NB and Moncton, NB; info on Quebec City Fire Dept smoke detector alarm system.

AUGUST 1985

LCD display update (PRO-30); Edmonton Ambulance Authority radio codes, with info on new Edmonton Fire Dept freq, some info on misc Edmonton business freq updates, info on a new 422 MHz Can General Electric trunked radio system; summary of Canadian Monitoring Laws; update on Vancouver Police Mobile Radio Data Service (MRDS), as well as BC EHS info; Quebec City info, including info on the Quebec City Transit, info on new 422 and 800 MHz trunked radio systems, and a freq list for the Quebec City area.

SEPTEMBER 1985

Air Canada bomb threat (Regina airport); Expo 86 information, with descriptions of some exhibits, a discussion of the Vancouver ALRT (rapid transit, heavily relied upon for 1986), and Vancouver Police MRDS expansion for Expo; Cellular telephone systems in Vancouver, with discussions of the CANTEL 800 MHz system, the BC Tel 800 MHz system, and the BC Tel 409/420 MHz Autotel system.

OCTOBER 1985

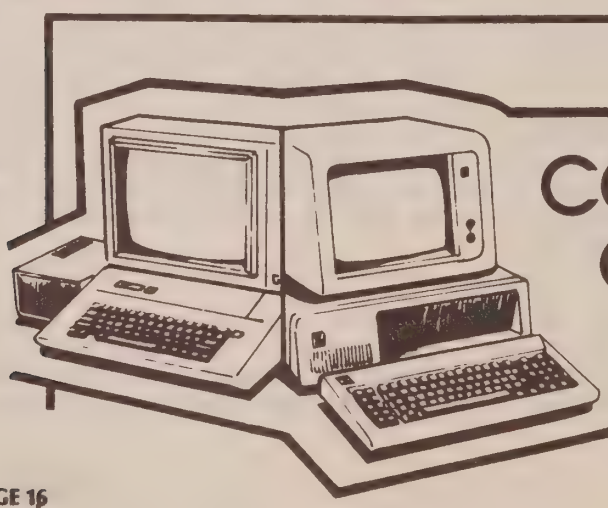
Vancouver Police dept stuck microphone incident (a very hot conversation!); Ont Prov Police new radio network update, and a discussion of the OPP canine unit, and a few frequencies for the London area; Ont Min of Health (Windsor Ambulance) update, and brief mention of the Haruteq Ont Scanner Directory; Victoria and area freq list; Vancouver ALRT frequencies, and an update on Expo 86 frequencies, with some info on the BC EHS; Weatheradio coverage for Nova Scotia and PEI regions; Calgary Police Service CAD project (MDTs).

NOVEMBER 1985

Edmonton area update, with Edmonton Police Dept radio codes; discussion of CPIC, NCIC and CNI police computer systems; Northern Saskatchewan RCMP radio system expansion; discussion of CN Rail radio expansion in Saskatchewan; discussion of new Automatic Mobile Telephone Service being installed and operated by SaskTel.

DECEMBER 1985

1985 Canada Column Index.



RCMA

COMPUTER CORNER

Editor: Bob Cheek

22320 SW 63rd Avenue

Boca Raton, FL 33428

NO COLUMN THIS MONTH

COMMUNICATIONS PROFILE

Joe M. Lewis, 750 Scotland St., Dunedin, FL 33528

This column is for special projects that explain various systems in detail. Frequencies and radio codes of not only municipal agencies and certain federal government agencies may be listed, but also large businesses and corporations. The contribution must be lengthy enough that publishing it in one of the regular columns would not be possible. If you are inclined to submit a report as the one below appears, please follow No. 8 in the inside front cover of the Newsletter.

JAN	84	LOUISIANA
FEB		COLUMBUS OHIO
MAR		PIERCE COUNTY WASH.
APR		BAY AREA RAPID TRANSIT CALIF.
MAY		SAN LEANDRO CALIF
JUNE		SACRAMENTO CITY FIRE CALIF
JULY		open
AUG		SAN FRANCISCO INT'L AIRPORT
SEPT		MOFFETT N.A.S. CALIF
OCT		open
NOV		open
DEC		open
JAN	85	open
FEB		open
MAR		open
APR		C.D.F. PART I
MAY		LOS ANGELES INT'L AIRPORT
JUNE		C.D.F. PART II
JULY		C.D.F. PART III
AUG		open
SEPT		FLORIDA
OCT		MONTGOMERY COUNTY MARYLAND
NOV		
DEC		

1984	
BAY AREA RAPID TRANSIT	APRIL
COLUMBUS OHIO	FEB
LOUISIANA	JAN
MOFFETT NAS CALIF	SEPT
PIERCE COUNTY WASHINGTON	MARCH
SACRAMENTO CITY FIRE CALIF.	JUNE
SAN FRANCISCO INT'L AIRPORT	AUG
SAN LEANDRO CALIF.	MAY
1985	
C.D.F. PART I	APRIL
C.D.F. PART II	JUNE
C.D.F. PART III	JULY
FLORIDA	SEPT
LOS ANGELES INT'L AIRPORT	MAY
MONTGOMERY COUNTY MARYLAND	OCT

contact info wanted

This column has two purposes: to help members *contact* each other, and to help members obtain *information* directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interest, *this* is the perfect place for you to make known your interests. Remember — those who respond will do directly, so be sure to provide your phone number, the best time to be called, or your address. Write to:

Scott Mattson, 2820 Bridge Ave., Point Pleasant, NJ 08742

WANTED: Frequency for Palm Beach County Fire Department w/ codes and locations. Will return layout for postage.
JACK JONAP (CT-058) 115 Lake Meryl Dr., Golden Lakes Village, West Palm Beach, FL 33411 (9/13/85)

INFO WANTED: Info on operation or owner's manual for Ultra 310 scanner made by Ultra Electronics of Knoxville, TN.
ED SOOMRE (MA-017) 1 Alcott Drive, Northboro, MA 01532 (9/24/85)

INFO WANTED: Can anyone help me identify the mysterious tone alerts heard on 33.64 in the Central New Jersey area? Only the tones are heard, no message afterwards. Agency may be in Jersey or eastern Pennsylvania.
YOUR EDITOR at above address

WANTED: Information on the Red Cross Radio Network. In the St. Louis area, they use numbers in the 6600 series. Does anyone have the numbering plan for the entire country? If so, please contact me.
MIKE REDMAN, P.O. Box 49, High Ridge, MO 63049

FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

Presented herein is the index for this column, going back further than I care to remember. Topics are listed by service group or by frequency band, in an effort to make things easier to find. The first column on the right shows the issue in which the rule amendment appears. Ones that are missing are either still pending or were dismissed. The second column shows the issue that contained the original proposal in that proceeding. Ones that are missing are either from before I started the column or were possibly amendments where no proposal was released, ones that did not require public comment. The third column gives issues that contain more information on that particular subject. This may either be a detailed discussion of a new allocation or service, or the separate columns I used to do on the various services.

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HF frequencies	10/83	4/83	
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" 800 mHz Land mob-Satellite		6/85	
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", temporary licensing	12/80	2,3/80	
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Auto Emergency Radio Serv.			5/80
Land Transportation Services			11/80
repeaters in 450 mHz band	1/85	10/83	
Interservice sharing	3/82,8/80		
72 mHz band			3/81
Fixed use in addl. l.m. services	3/83	7/82	
portable Fixed freq. tolerance	11/85	3/85	
auditory assistance devices	11/82	5/82	
Forest Products, mobile use	3/85	7/82	
Radio Control, offset channels	3/83	9/82	
" , use of digital modulation	1/86		
Broadcast Auxiliary Services			
Broadcast Remote Pickup			2,3/80
", use of narrowband emissions	3/85	11/84	
", content	9/85	11/84	
Studio-to-Transmitter links			
944 - 952 mHz	5/85,3/83		
Part 15			
cordless phones, waiver	5/83		
" , new frequencies	5/84	7/83	
'self-contained' provisions	7/85		
wireless security systems	3/83		
field disturbance sensors		4/83,11/85	
" , 40.68 mHz	12/84		
low power devices, other bands	3/82		
	amendment	proposal	gen.info
Public Land Mobile Services			4/85
Air-to-Ground service, Mobile	9/85		
" , Tallahassee	6/80		
" , Austin	7/85	9/84	
" , Memphis	3/82	9/81	
" , second signaling channel	7/85	11/84	
new A/G service at 800 mHz	(5/85)	6/83	
Offshore Radiotelephone Service	8/85	7/83	
new low-band paging channels	11/81,11/82	1/81,8/80	
low band paging/ TVI	8/81	6/80	
Fixed use of TV ch. 17, Hi.	7/82	11/81	
Marine telephone	9/83,12,83		
Meteor burst use in Ak.	10/83	4/83	
UHF-T band, Pittsburg	10/83	4/83	
900 mHz paging	9/82,3/83,9/83,9/84	8/80,2/81	7/85
AMTS/IWOS	7/81,1/85	5/84	
elimination of WCO/RCO blocks	4/85	3/84	
Cellular Telecommunications Serv.	6/82	8/81,4/80	2/86
" , use of lotteries	9/84	3/84	
" , additional channels		6/85	
Amateur Radio Service			
Amateur-Satellite service	9/85		
beacon stations	3/83	3/82	
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digital emissions	3/83	1/82	
Experimenters class license	(5/84)	4/83	
repeater coordination		7/85	
preemption of local ordinances	1/86	12/84	
space shuttle retransmission	12/83		
spread spectrum use	9/85	1/82	
unattended operation		7/85	
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6 meter repeaters	11/82	1/82	

FCC TOPICS continued

6 meters, expanded FM use	10/80	1/80	
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Aviation services			
Auto. Weather Observation System	7/82	11/81	
second Flight Watch frequency	3/83	7/82	
Enroute Service, addnl. chs.	11/81	8/80	
use of FSK emissions (ACARS)	4/81	8/80	
gen. aviation maint. freqs.	3/83	7/82	
air-to-air (helicopter) freq.	1/80		
ILS test frequencies	11/84		
FM Broadcast interference		9/85	
additional unicom freqs.	7/84	12/83	
Marine Radio services	**amendment**	**proposal**	**gen. info**
AMTS (Inland Waterways)	7/81,7/82,1/85	5/84,3/82	7/81
station class (new designations)	5/83	1/82	
Digital Selective Calling	11/85	3/85	
EPIRBs	1/85	11/84,5/83	
Great Lakes, use of ch. 88A	5/83		
" , ship movement service	9/85	3/85	
Puget Sound, Wa., marine telephone	12/83	5/83	
" , use of ch. 88A	7/84	10/83	
Govt.use of Port Ops. chs.	1/86	3/85	
mandatory low power on ch.13	1/86	3/85	
marine telephone, multiple stns.	9/83	8/80	
revision of Parts 81 & 83		9/85	
VHF repeaters for S/R	(5/84)	9/83	
use on land, S/R vehicles	7/84	10/83	
VTS, Houston	9/82	1/82	
Miscellaneous			
allocation table			6/84,8/82
" , 800 mHz			8/83,11/79
" , 1945			10/84
cable TV interference	3/85		
coml.operators licenses	9/84	9/83	
effects of RF radiation	9/85	5/82	
Fixed services, 31 gHz	8/85		
" , 932/941 mHz	5/85		
" , 928/960 mHz	5/82	6/81	
frequency coordination	5/83	3/85,10/83,9/82	
Industrial, Scientific & Medical Part 18 revisions	1/86		
use of lotteries	9/83	7/82,3/82	
land mobile-satellite service		6/85	
Personal Communications Radio Serv.	(5/85)	6/83	
Radio-determination Satellite Serv.	1/86	12/84	
shared use of repeaters	9/83,9/82		
streamlined type acceptance		9/85	
type approval	5/84		
WARC implementation	6/84	11/81	
license data access	11/84	9/83	2/83

FEDERAL GOV'T and MILITARY

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:

Dennis Biagioli, 607 W. Pleasant Ave. Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Hi! Wow, here we are at the end of another year already. Just unbelievable. Before we begin, there are a few comments I would like to offer.

1) If you would like an acknowledgement of anything you send to me, please enclose a self-addressed post card (or envelope if you don't trust the Postal Service). It will really help save time.

2) When requesting a copy of anything offered through the column, I will gladly furnish the copies without charge, but please furnish a SASE. It may be hard for some to believe, but most folks do not comply with this request. If you requested something but didn't receive it, this is the reason.

3) If you wish to remain anonymous in print, fine -- but please provide me with your name and simply ask I not credit you for the material. Many times a question will arise that I must know before I can print the material.

I have been printing both first and last names with member number as this column is not as localized as most others. If you object to this, please advise with your contribution.

4) If you would like to see more variety in this column, it is up to you to help! You may be the expert in one area of monitoring or one particular agency in your geographic area -- so why not send along something?

5) Some members have mentioned that they would contribute materials related to specific areas if asked. I have tried that several times, with almost no results. But, we will definitely try again -- just keep reading!

6) Please, don't wait for me to ask you personally to contribute something. The highly detailed and informative August column was offered unsolicited, as was almost everything printed in the last two years. Only you know what it is that you know a lot about.

7) Please be patient when you send column contributions, we have a several month lead-time. For example, this column's deadline is early October.

Okay, just wanted to mention those few items. It's hard to give truly nationwide coverage when I during my tenure as editor I have heard from only one hundred and nineteen (119) members from thirty-six (36) states. Here is a list and the number of contributors from each. And many of these contributed material from more than just their home state. If your state is not listed, no wonder there has been nothing printed for your area!

AL-1	HI-1	MD-8	NM-1	UT-1
AR-1	IA-1	MI-5	NV-2	VA-2
AZ-2	ID-2	MO-4	NY-1	WA-1
CA-12	IL-29	MS-1	OH-3	WI-6
CT-1	IN-4	NC-3	OR-2	
DC-1	KS-3	NE-1	PA-3	
FL-1	LA-2	NH-1	RI-1	
GA-2	MA-2	NJ-4	TX-6	

BUREAU OF LAND MANAGEMENT UPDATE

FRED RICHTER (NM-005) calls our attention to the following additions/corrections in the August '85 BLM material:

1) Idaho has a map which will be printed nearby
2) page 28, middle 1/3 of page:
   6000 District Six, District Six Manager
3) page 28, 2nd paragraph:
   "California District" should read "California State Office

FEDERAL ANTI-SCANNER LAW

Reports have been circulating that Congress may consider revisions in privacy laws (The Privacy Act of 1985), and include in it legislation against monitoring any radio communications except those specifically listed. More information may be available by the time this reaches print. Don't just sit on your typewriter, find out what's happening and write your representatives in Washington.

INDEXES

"The recent RCMA General Survey indicated there was a strong desire by the membership that we print an index as part of the December issue", reports General Editor Bill Mauldin. An index by subject for 1984 appears in the April '85 issue.

1984 - 1985 FEDERAL GOVERNMENT/MILITARY INDEX BY ISSUE

Jan 84: Wright-Patterson AFB, Ohio
Pearl Harbor Naval Base, Hawaii
Federal Fire Freqs., Oahu, Hawaii
Miscellaneous Hawaii Federal Freqs.
Nevada Bureau of Land Management Radio Map
Minnesota Army N.G. "Huey" helo. freqs.
District of Columbia Federal Freq. list

Feb 84: Army Engineers "classified freqs." letter
Gowan Field, Boise, Idaho
Tampa, Fl, area
Ft. Rucker, Alabama
1982 Nat'l Telecomm. & Info. Admin. Report summary
Bootleg ship radios newspaper clip

Mar 84: Antenna lightning protection
Robert Leary letter (12/83) reference
RITA Tactical Commo. System clipping
Olympia, Washington, area freqs.
McChord Air Force Base, Washington
Ft. Lewis, Washington

Apr 84: Washington, DC, U.S. Park Police
Sacramento, California, Army Engineers District
Interior Dept. systems
U.S. Forest Service Map & rundown, Utah
F.A.A. Chicago Center aero UHF/VHF chart

May 84: U.S. Army Division & District Boundaries Map
Army Engineers, Kansas City area
New England Parks & Forests
Nat'l Aeronautics & Space Admin. bases locations
"U.S. Military Aviation: the Air Force" - book review
"U.S. Military Aircraft Designations & Serials" - review

Jun 84: Map -- U.S. Air Force Major Installations in the U.S.
Guide to selected U.S.A.F. Bases (Altus thru Holloman)

Jul 84: Guide to U.S.A.F. Bases, continued (Homestead thru Peterson)
U.S.A.F. frequencies, 138 to 140 mHz (bases A-Q)

Aug 84: Guide to U.S.A.F. Bases, conclusion (Plattsburgh thru Youngstown)
U.S.A.F. frequencies, 138 to 140 mHz (bases R-Y)

Sep 84: Chicago O'Hare, 126th Air Refueling Wing Life Support, Illinois
Fermi-Lab, (Dept. of Energy) Batavia,Illinois
Great Lakes Naval Training Center, Illinois
Washington, DC, general list
March 84 issue corrections & additions, Washington and Oregon
Cibola Nat'l Forest, New Mexico
Army "Ten Signals"
Federal Emergency Management Agency profile, region map & freqs.

Oct 84: San Francisco, California, short list
Pease Air Force Base, New Hampshire, freqs. & security codes
Portsmouth Naval Shipyard, New Hampshire, freqs.
Rock Island, Illinois, Army Engineers
Greater Peoria Airport, Illinois - Air Guard
Capital Airport, Springfield, Illinois - Air Guard
Federal Correctional System, map and locations listing

Nov 84: Hawthorne Army Ammo. Plant, Nevada
Idaho Bureau of Land Management freqs.
U.S. Forest Service land locations
Federal Government license plates
NTIA Security Classification Guide for Freq. Assignment Records

Dec 84: C-5 aircraft (Altus AFB) freq. card listing
Buckley Air Nat'l Guard Base, Colorado
U.S.A.F. 140-142 mHz freq. list

Jan 85: Washington, DC, very extensive listing

Feb 85: Railroads used by federal installations
Ft. McCoy, Wisconsin
"The Day After World War III" - book review

Mar 85: Civil Air Patrol, regional map, freqs. & callsigns

Apr 85: 1984 FEDERAL GOVERNMENT / MILITARY index by subject

May 85: Federal Railroads
Chicago Coast Guard moving
Dugway Proving Gounds, Utah

Jun 85: Federal Railroads update
Mountain Home AFB
Dugway Proving Grounds update & callsigns
California Bureau of Land Management radio maps & freqs.

Jul 85: FBI frequency hopping radios reported
Naval Air Station, California, freqs.
Naval Comm. Station, Philippines, freqs.
Naval Security Station, DC, freqs.
Pensacola Naval Air Station, Florida, freqs.
U.S. Marine Air Station, Cherry Point, NC
Fort Monroe, Virginia, freqs.
Langley AFB, Virginia, freqs.
Norfolk Naval Base, Virginia, freqs.
Little creek, Virginia, Amphib. Base, freqs.
Louisville, Kentucky, area freqs.

Aug 85: Bureau of Land Management, major profile & maps

Sep 85: Boise Interagency Fire Cache freqs.
Wisconsin Veterans' Admin. freqs.
T-38 at Chicago O'Hare, freqs.
St. Louis, Missouri, area freqs.
Indianapolis, Indiana, area freqs.
Westfield Air Force Base, MA, freq. channelization
Los Angeles Corps of Engineers freqs. (updates 2/83 issue)
Pease AFB, New Hampshire
White Mountains Nat'l Forest, New Hampshire
Kansas City Center UHF/VHF freqs. & locations

Oct 85: Glenview Naval Air Station, Illinois
"Nuclear Battlefields" - book review
"Secrecy and Democracy: The CIA in Transition" - book review
Alameda Naval Air Station, California
Treasure Island, California
Camp Pendleton, California

Nov 85: Pacific Missile Test Center, California
Griffin Air Force Base, New York
Otis Air Force Base, Massachusetts
Cape Cod Nat'l Seashore, Massachusetts
Hancock Field, New York, Air Guard
St. Louis area (Illinois & Missouri), major profile

Dec 85: 1984 - 1985 FEDERAL GOVERNMENT / MILITARY Index by Issue
Bureau of Land Management Idaho map & 8/85 issue corrections

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Alaska Bureau of Land Management freqs. & map	Aug 85	
Arizona Bureau of Land Management freqs. & map	Aug 85	
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Los Angeles area calls (updates issue 2/83)	Sep 85	
Bethesda (MD) National Naval Medical Cntr.	Jul 85	
BLM (see Bureau of Land Management)		
Boise Interagency National Emergency Fire Cache	Aug 85	
Book Reviews		
Day After World War III, The	Feb 85	
Nuclear Battlefields	Oct 85	
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Agency detailed profile & maps	Aug 85	
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Arizona freqs. & map	Aug 85	
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Idaho map & freqs.	Dec 85	
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New Mexico freqs. & map	Aug 85	
North Dakota freqs. & map	Aug 85	
Oregon freqs. & map	Aug 85	
South Dakota freqs. & map	Aug 85	
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Cherry Point (NC) Marine Air Station	Jul 85	
Chicago Coast Guard moving	May 85	
Chicago O'Hare unidentified T-38 aircraft	Sep 85	
Civil Air Patrol	Mar 85	Jul 85
Colorado Bureau of Land Management map	Aug 85	
Dugway Proving Grounds, UT	May 85	Jun 85
FAA (see Federal Aviation Administration)		
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Ft. Monroe, VA	Jul 85	
Glenview Naval Air Station (IL)	Oct 85	
Griffin Air Force Base, NY	Nov 85	
Guam Naval Air Station	Jul 85	
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Little Creek Amphib. Base, VA	Jul 85	
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Arizona, Bureau of Land Mgmt. Radio	Aug 85	
Bureau of Land Management Eastern States	Aug 85	
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Civil Air Patrol, regional boundaries map	Mar 85
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Idaho, Bureau of Land Mgmt. Radio	Dec 85
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Los Angeles Army Engineers calls (updates 2/83)	Sep 85
Marine Air Station, Cherry Point, NC	Jul 85
Mirimar Naval Air Station, Sad Diego, CA	Jul 85
Montana Bureau of Land Management map & freqs	Aug 85
Mountain Home AFB, ID	Jun 85
National Aeronautics & Space Administration	Jul 85
National Naval Medical Center, Bethesda, MD	Jul 85
National Radio Support Cache	Aug 85
Naval Air Station, Alameda, CA	Oct 85
Naval Air Station, Guam	Jul 85
Naval Air Station, Pensacola, Florida	Jul 85
Naval Communication Station, Philippines	Jul 85
Naval Hospital, Oak Knoll (Oakland, CA)	Oct 85
Naval Security Station, Washington, DC	Jul 85
Naval Station, Treasure Island, CA	Oct 85
Nevada Bureau of Land Management frequencies	Sep 85
New Hampshire miscellaneous frequencies	Sep 85
New Mexico Bureau of Land Mgmt. freqs. & map	Aug 85
Norfolk (VA) Naval Base	Jul 85
North Dakota Bureau of Land Mgmt. freqs. & map	Aug 85
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Oregon Bureau of Land Management freqs. & map	Aug 85
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Treasure Island Naval Station, CA	Oct 85
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Utah Bureau of Land Management freqs. & map	Aug 85
Veterans' Administration	
Wisconsin facilities frequencies	Sep 85
Washington, DC (major profile)	Jan 85
Washington Bureau of Land Mgmt. freqs. & map	Aug 85
Washington (DC) Naval Security Station	Jul 85
Westover Air Force Base C-123 freq. card	Sep 85
White Mountain National Forest, NH	Sep 85
Wisconsin Veterans' Administration Hospitals	Sep 85
Wyoming Bureau of Land Management map & freqs.	Aug 85

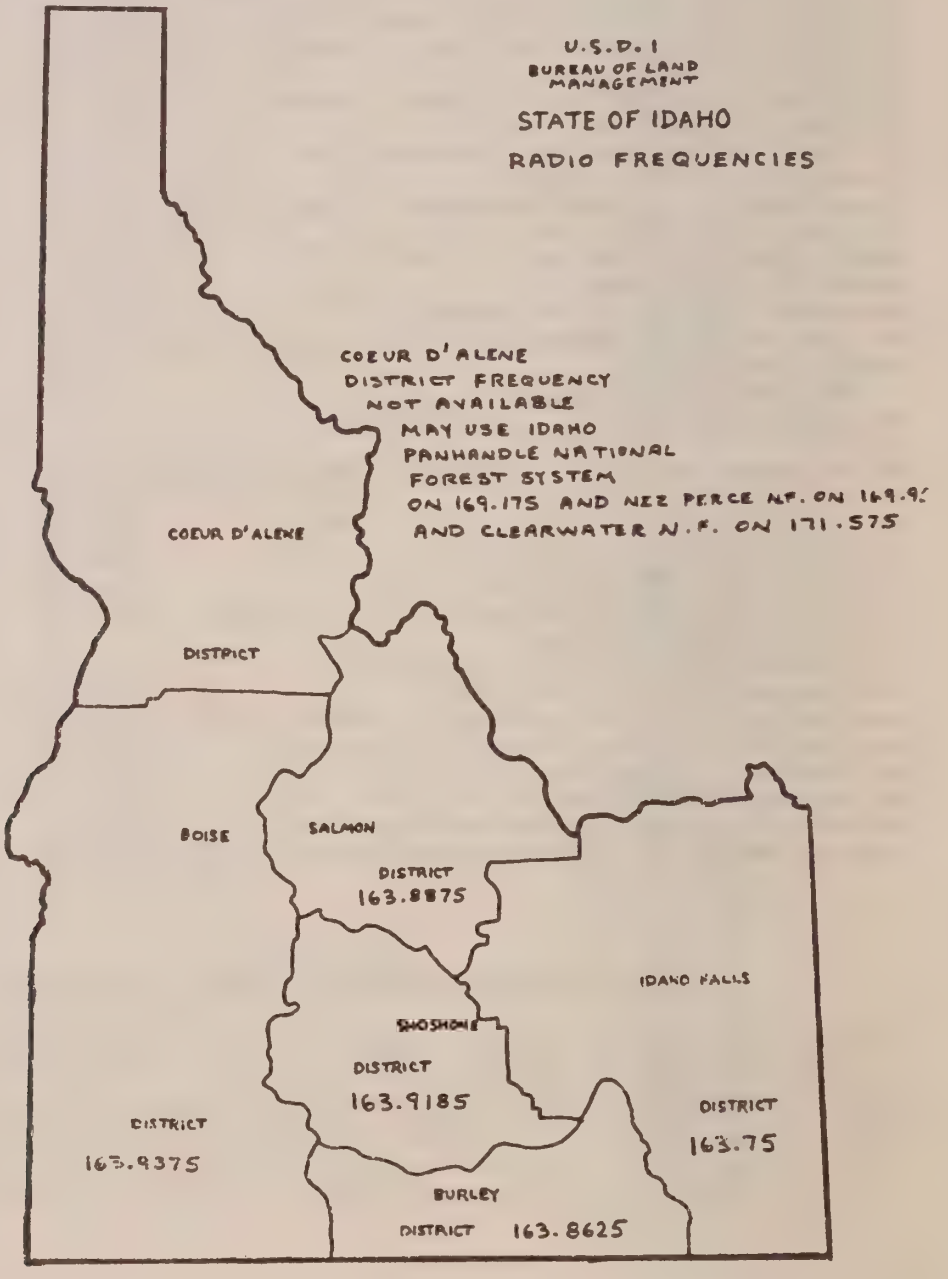
CALL FOR CONTRIBUTIONS OF SPECIFIC AGENCIES

According to the readers' survey, members reported they wanted editors to ask in advance for specific information for widest possible coverage of areas of general interest. Great! Here are the deadlines I need the material by and the specific frequencies requested.

A couple of things, please.
(1) Please do not copy a list of frequencies from another publication. We must continue to respect copyrights.
(2) If another person was kind enough to give you the information you send in, be courteous and credit your source.
(3) Please distinguish between what you've personally confirmed and what you've "heard about" from others.
(4) Please be complete regarding frequency, repeater input (if any), location, agency using frequency, frequency use (dispatch, secondary, interagency, etc), channel number, special codes, unit numbers and callsigns, transmitter sites, links (if any) and any other special items of interest. If you want a complete and accurate list, that's what you have to send in!
(5) Please do not include contributions for these special projects in with other routine correspondence for the column.
(6) Don't forget your name, member number, and a self-addressed post card so I can acknowledge receipt of your material.

This does not mean that you should stop other column contributions. This is merely a timetable for special features. Please continue regular contributions as in the past!

If all members respond who have accurate information, we should be able to have some tremendously complete listings! So, let's go to it gang! You asked for it, so "put your money where your mouth is". It certainly sounds good to me.



(The map on the preceding page was inadvertantly left out of the August, '85 issue).

Deadline	Subject area
Feb 15	Nat'l Park Service (Interior Dept.) Includes over 330 Nat'l Parks, Monuments, historic sites & recreation areas
Mar 15	U.S. Forest Service (Agriculture Dept.) Includes 155 Nat'l Forests, 19 Nat'l Grasslands and 18 land utilization projects
Apr 15	Veterans' Administration Operates 172 medical centers, 16 domiciliaries, 225 clinics and 99 nursing homes.
May 15	Fed. Aviation Admin. (FAA)--but not VHF aero freqs. Please do not include frequencies between 108 and 136 mHz.

Okay, there you have it! You are being asked as an individual to contribute what you know regarding a specific project before a particular date so we can compile the most complete directory of that topic ever attempted.

That should take care of 1985. I hope you have the best of Holiday Seasons.

Have a Happy
Denny

INTERNATIONAL

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to:

Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902

I received a most interesting letter from Bill Moore (CT-038). He writes- 'here is a list of frequencies I came across when I was on vacation in Bermuda during the week of August 12-16 this year. I brought with me the Realistic PRO-2002, and it performed quite well!'

Here is Bill's list and the list originally published in the April 1980 Newsletter from our member in Bermuda.

118.1000	Kindley Field? (shared with U.S. Military)	Tower/Airfield
119.1000	Kindley Field?	Tower/Airfield
126.9000	Kindley Field?	
129.9000	Kindley Field?	
132.2000	Kindley Field?	
133.0000	Kindley Field?	
138.0000 to 140.1000	144.0000 US Base Ops	US Base Simplex freqs. Vehicles Crossing Runway
148.0750	Police (unscrambled) possibly F-2/Surveillance hd.	Output/Input is 153.9500 same as 149.150?
148.1250	Police (unscrambled)	input to 149.1500
148.6000	unknown business use	
148.8500	unknown business use	
148.9500	unknown business use	

149.1500	Police (unscrambled)	Output/Input is 148.1250 same as 148.0750?
149.3000	Police (scrambled) base='Oscar'	Output/Input is 170.9950 Sounded like primary
149.4750	Police (unscrambled)	Output/Input is 170.5500
149.7250	unknown business use	
149.7750	Bermuda Customs?	same as 150.5750
150.0500	Fire Department	
150.0750	unknown official activity	
150.0950	unknown business use	
150.1000	Fire Department-unconfirmed	
150.1750	Ambulance/Hospital	dispatched by hospital but stationed at Fire HQ
150.3000	unknown business use	
150.5250	unknown business use	
150.5750	Bermuda Customs?	Dock Manager and Security
150.7100	unknown business use	
150.8250	general contractor?	
150.9750	Hospital Pagers	
151.0250	unknown business use	
151.2500	unknown business use	
151.6000	Bermuda Regiment	
153.9500	Police (unscrambled)	input to 148.0750
154.1000	Police (scrambled)	input to 149.3000
154.8500	Public Works (PWD?)	Output/input is 170.7000
156.3000	Fishing	Marine channel 6
156.5000	unknown marine use	Marine channel 10
156.5750	Bermuda Water Tours	Marine channel 71
156.6500	M/V Atlantic Intership	Marine channel 13
156.8000	Primary Coordination Freq.	Marine channel 16
165.4250	unknown business use	
165.4500	unknown business use	
165.9000	unknown business use	
166.0750	unknown business use	
166.2000	trash removal	
166.3750	unknown business use	
166.4250	unknown business use	
166.4750	unknown business use	
166.6000	Taxi	
166.7250	unknown business use	
166.8000	unknown business use	
166.8250	unknown business use	
166.9000	Taxi	
167.8000	unknown business use	
167.8500	unknown business use	
168.0000	Otis Elevator ?	
168.3450	unknown business use	
168.3500	Taxi Link from base on 501.3625 to cabs	
168.4000	Bermuda Telephone Company	
169.4750	unknown business use	
170.0000	Police (scrambled)	input to 154.1000
170.9950	Police (scrambled)	input to 149.3000
173.1500	Taxi (mobile) transmits back to base	Link to 501.3625
173.9950	unknown business use	
450.6000	Radio Station ZBM ?	
460.6000	Police input to F1/F2 and 154.1000 as set up 'Rat Pack'?	
501.3625	Taxi Dispatch Link to 168.3500 output to cabs	

Well there it is. A fine report. Thanks to Bill (CT-038). I'll say it again. You can see how quickly the frequencies in any given area add up and form a solid base. All we need is your input. You now have a good head start on freqs. for your next trip to Bermuda. I might also remind you all that the US government is active beyond our borders. I would suggest that you give a listen to some of those Federal band frequencies we so carefully monitor here in the States. You might be very surprised what you hear. I have tapes of some very interesting chatter in English and Spanish from around downtown Guadalajara, Mexico! Enuf said.

Here are two lists- a sort of all the columns written for the Newsletter concerning International frequencies, first by country and then by issue. I must apologize for the size of the print but the condensed form was necessary to achieve 132 columns. Enjoy! Till next month

INTERNATIONAL COLUMN-COUNTRY.SORT

COUNTRY	TOPIC	ISSUE	PAGE
	33.900/36.900	81/08	75
	33.900/OTHER LOW BAND SKIP	81/06	72
	36.900	82/04	38
	BC-220/AM RECEPTION	81/09	18
	BC-220/AM	81/07	37
	CORRESPONDENCE	80/11	20
	CORRESPONDENCE	81/04	23
	HEATHKIT IM-2400	81/02	19
	JANES MIL. COMMS. 79-80/ALLOCATIONS	83/07	42
	LOW BAND SKIP	79/12	68
	LOW BAND SKIP	82/05	32
	LOW BAND SKIP	80/06	44
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MARKETPLACE

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column, RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:
RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550

Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

ATTENTION:

RCMA members may now leave computer generated messages (E-Mail) for me with CompuServe and the Color Connection 80 BBS (Boca Raton, FL).

My CompuServe ID is: 72527,2651. With Color Connection 80 my name is good enough. I also subscribe to Dow Jones News/Retrieval.

PLEASE NOTE: For the protection of all concerned I will still only accept ad requests on the MarketPlace Ad Request Form. Send me a 22 cent stamp along with your name, address, and membership number and I will send you a supply of forms.

As soon as I figure out how to do it, I look to re-create the ad request form into the CompuServe and Color Connection 80 systems. I hope to have more information about this in the very near future.

FOR SALE:
Crystals (10.7 Mhz type). 33.70; 154.13; 453.05; 453.55; 453.75; 462.575. As is condition. Free/$1.00 shipping. Contact: LOUIS CAMPAGNA (PA-024), 7221 Rising Sun Ave., Suite 199, Philadelphia, PA 19111.

.....

FOR SALE:
Fanon/Courier SCMA-6 scanner base/mobile adapter. Capable to .power, charge, amplify and utilize outside antenna system. Power jack may need to be replaced. $10.00. Contact: LOUIS CAMPAGNA (PA-024), 7221 Rising Sun Ave., Suite 199, Philadelphia, PA 19111.

.....

FOR SALE:
Bearcat 250. Good condition. $175.00/includes shipping via UPS. Contact: DAVID R. VAUGHN (OH-127), 1106 Grandview Ave., Columbus, OH 43212 or phone 614-488-3938. No collect calls; call only between 09:00 to 14:00 daily.

.....

FOR SALE:
Regency ACT-T-16-K. Very good condition. Split frequency capable. $160.00/includes shipping via UPS. Contact: DAVID R. VAUGHN (OH-127), 1106 Grandview Ave., Columbus, OH 43212 or phone 614-488-3938. No collect calls; call only between 09:00 to 14:00 daily.

.....

WANTED:
Motorola type speakers in good working condition. Contact: SCOTT MATTSON (NJ-137), 2820 Bridge Ave., Point Pleasant, NJ 08742.

.....

WANTED:
Good used letter quality Commodore computer printer. Prefer to deal with Southern California members. Contact: MARKETPLACE EDITOR.

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 X 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

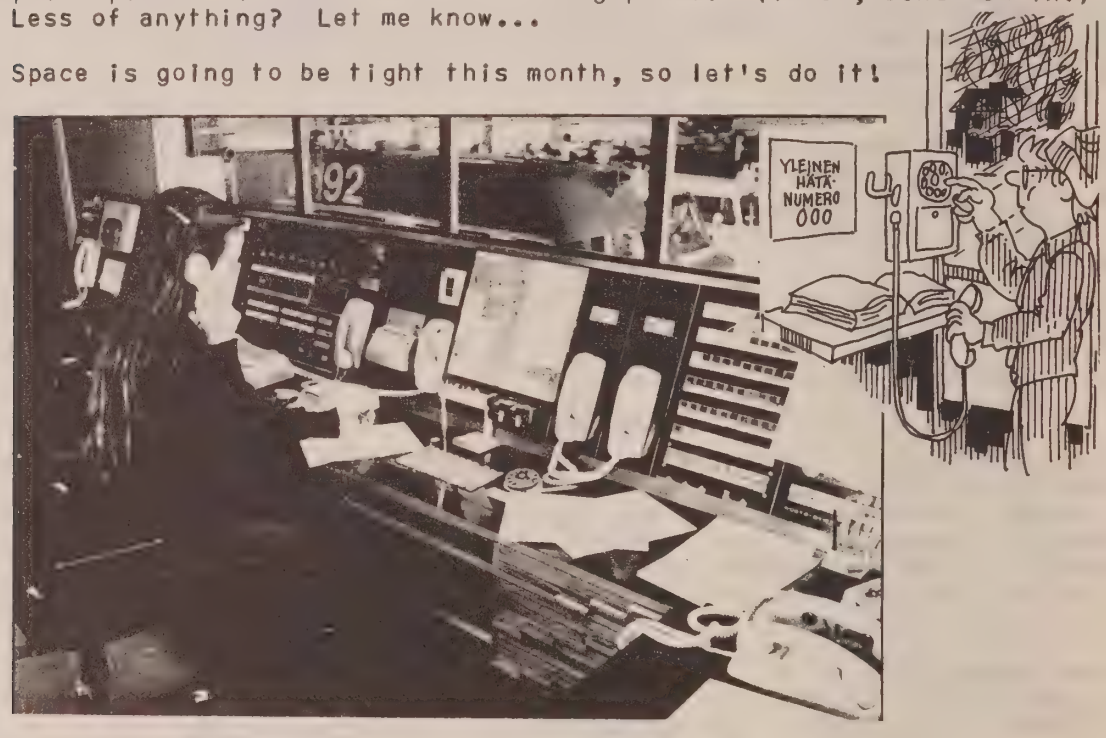
Hugh Stegman, 11622 Exposition Blvd., #2, Los Angeles, CA 90064

HAPPY HOLIDAYS FROM YOUR USER-FRIENDLY PHOTO DEPARTMENT!

Elsewhere you will see an index for the last two years of pictures in this column. This project was undertaken by all Newsletter editors because you, the membership, wanted it. This brings up the point of this whole club; it really is your Newsletter. Not only do I welcome pictures of anything related to monitor radio and its users, but I also like any gripes, praises, suggestions, or anything else to make YOUR column even more user-friendly.

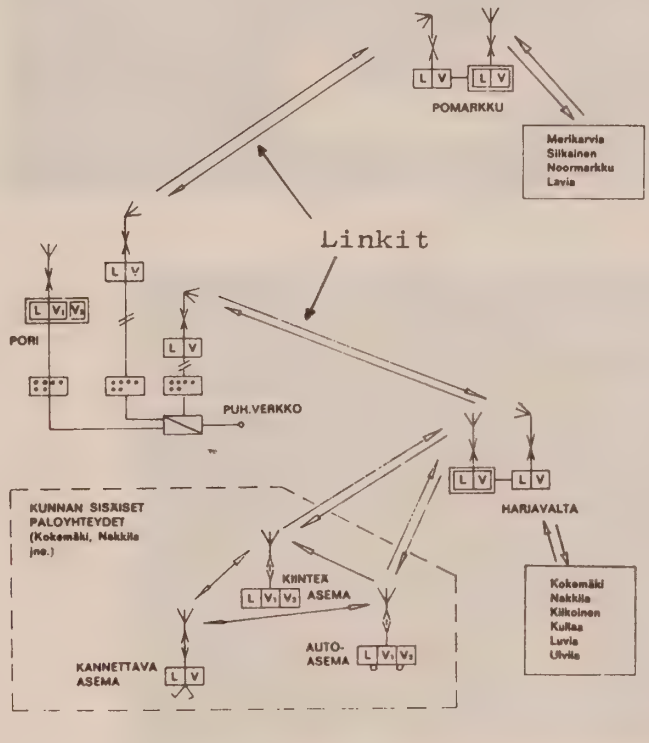
Did anyone like, or benefit from, the discussion of close-up photography? Anyone want more of this stuff, or should I shut up and print pictures? Want more monitoring posts? (If so, send 'em in!) Less of anything? Let me know...

Space is going to be tight this month, so let's do it!



Our first two photos are news clippings from Finland, sent by Reijo Silvonen (FINL-001, and the only one). #1 shows a dispatch console in a Helsinki fire station, where emergency calls are taken. #2 shows a similar setup in Rauma, a coastal city to the west where Reijo lives. The dispatcher is seen with Jaako Sirola (r.), the local fire chief.

Kuva 33: Porin kaukoavustusalueen radioyhteydet. Verkostoon kuuluu kaksi kauko-ohjattua tukiasemaa, joiden käyttölaitteet ovat aluehälytyskeskuksessa. Aluehälytyskeskuksen ja tukiasemien väliset yhteydet on hoidettu radiolinkeillä. Järjestelmät ovat täysin erillään toisistaan. Lisäksi on Porin palolaitoksella oma erillinen tukiasemansa. Tukiasemien kuuluvuusalueet ovat huomattavan paljon päällekkäin, mikä antaa toiminnalle lisävarmuutta salaman tai muun teknillisen vian yllättäessä.
Porilla on oma toimintakanavansa (3.) ja muilla kunnilla yhteinen toimintakanavansa (3.) eri taajuudella.



My knowlege of Finnish is zero, but I would guess that 000 is a national emergency number like 911 in the U.S. Procedures appear to be more or less the same.

This chart is a radio system network diagram. It is self-explanatory in any language. This system is sophisticated! Frequencies are in the 160 MHz range.

These clippings are reproduced by permission. I would like to thank Reijo a lot... this is most informative stuff!

***

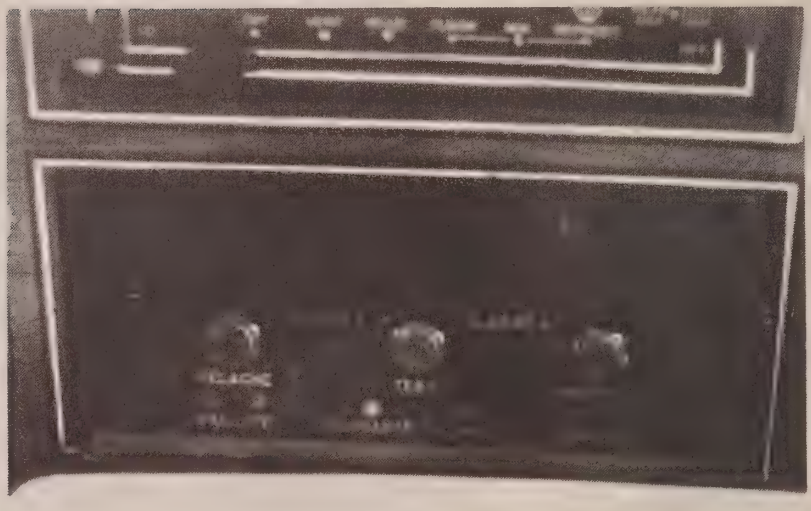
The next 3 pictures are from Gilles (CAN-101), who is a regular contributor to this column.

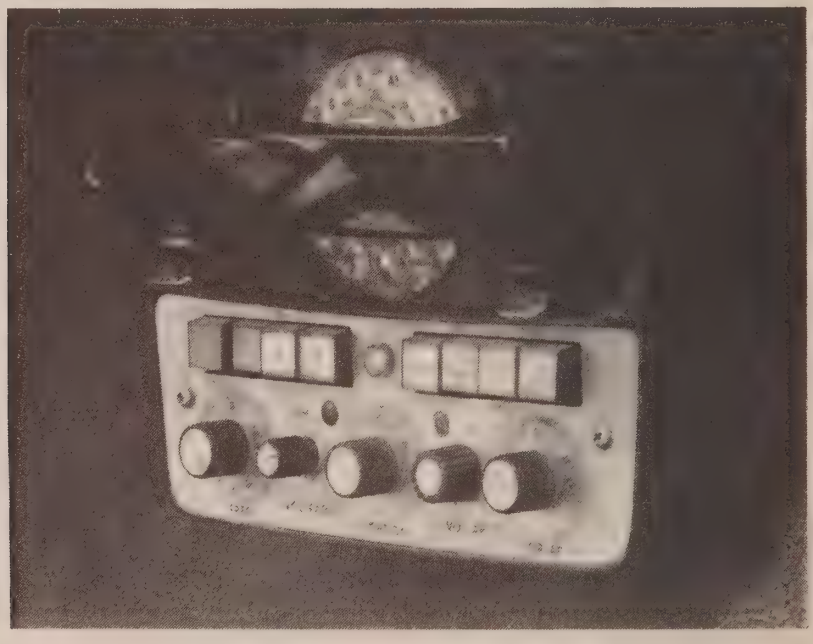
As we have seen before, the PD's in Quebec province make heavy use of mobile radiotelephones. Apparently, dispatch can be made over these. The service is by Bell Canada and Quebec Telephone Co.

The first radio phone is in a Lac-Megantic police car. It uses 416.6 MHz Tx and 411.6 Rx. Similar radios use freqs in the 150-159 MHz band. Note that the unit's PA speaker and siren can also be controlled. Just above the phone, in our next shot, is a small alarm panel. Alarms in businesses or the water department are sent directly to the police car over UHF.

Our last picture is of a similar radiotelephone in a Surete du Quebec (Quebec Provincial Police) unit. Ten repeater and 2 simplex channels are available, all VHF. Units use the 3 or 4 local frequencies (out of the ten) for whatever county they are in. Repeaters outside the district can be accessed by changing PL tones. Thanks, Gilles, for more interesting stuff.

NEXT MONTH: Russian military radios, and another N. Ireland mystery!





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April '84 : Chicago Transit Authority comm center
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LAFD Operations Control Division
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LAPD mounted officer
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727 cockpit instruments: 10/85

PUBLIC SAFETY

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for poilice, sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

Associated Public-Safety Communications Officers, Inc.

OFFICIAL TEN SIGNAL LIST

APCO states the numbering, sequence, words or word phrasing of the below listed signals may no be altered, nor may the reserved signals be otherwise implemented except by APCO. Any user may employ signal numbers upward, beginning with 10-40, as needed for local dispatching. RCMA publishes this listing in support of APCO and their uniform dispatch code efforts. We will print other dispatch codes, different from the OFFICIAL APCO listing, only to assist our membership in their continued monitoring hobby. It is hoped you find this listing useful.

10-1	Signal weak	10-19	(In) contact
10-2	Signal good	10-20	Location
10-3	Stop transmitting	10-21	Call ( ) by phone
10-4	Affirmative (OK)	10-22	Disregard
10-5	Relay (to)	10-23	Arrived at scene
10-6	Busy	10-24	Assignment completed
10-7	Out of service	10-25	Report to (Meet)
10-8	In service	10-26	Estimated time of arrival
10-9	Say again	10-27	License/Permit Information
10-10	Negative	10-28	Ownership Information
10-11	( ) on duty	10-29	Records check
10-12	Stand by (stop)	10-30	Danger/Caution
10-13	Existing conditions	10-31	Pick up
10-14	Message/Information	10-32	( ) units needed (Specify)
10-15	Message delivered	10-33	Help me quick
10-16	Reply to message	10-34	Time
10-17	Enroute	10-35 through 10-39 are reserved for future assignment by APCO. User option 10-40 upward	
10-18	Urgent		

R.C.M.A. SOUTH CENTRAL

POST OFFICE BOX 5053
AUSTIN, TEXAS 78763-5053

Send Public Safety and Special Emergency frequencies, radio system details, and questions for Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas to the above address.

Season's Greetings! ... This is Ken speaking... I would like to wish each of our faithful readers the best of the Holiday Season. I have finally returned back to the column editorial chores after an absence of a few months. My absence was made necessary by an overload in work, a back log of other than regular work-work and a convenient opportunity to upgrade my amateur radio license. I left the column in very capable hands and I wish to thank Richard for the fine job he did filling in 100% of the time. For those that may care to know such things, I did upgrade my amateur license to Extra class from the Tech grade. I already have spoken to a few of the RCMA amateurs on the HF bands and I look forward to making more RCMA/amateur contacts in the future. Since a few of the readers indicated in the readership survey that less personal remarks be involved in the columns I will close my trap here and get on with the show...

As explained here in the column last month by our altruistic, and ever efficient Managing Editor, Carol, the October PS-SC Column was delayed in transit by the U.S. Postal Service. Therefore, the October column became our November col and the November col was included to boot -- two columns for the price of one! (Thanks, Carol!) Since our General Editor has requested that the December issue be devoted to the 1984 and 1985 yearly index, herein you will see the 1985 index. The 1984 index was just published a few months ago along with the cumulative indexes of 1980 thru 1983; therefore, the 1984 index will not be duplicated once more. And now, here is this month's news....

From MARVIN (TX-002): Marvin has checked back in with us with an announcement of his new venture...his new newsletter called "SCAN-TEX". This newsletter will concentrate on Texas area monitoring information of all types from any band. Marvin requests that all interested persons wishing to receive his newsletter send him a supply of self-addressed stamped envelopes to receive his monthly bulletin. (Marvin's address is: 1315 N. Twin City, Apt# 28, Nederland, TX 77627) A number of interesting tidbits taken from his first newsletter detail new developments from around the S.E. TX area. (Editor's Note: The editors wish to thank Marvin for generously agreeing to share this info with the RCMA PS-SC column.)

Galveston PD Freqs

Ch 1 460.200 Police Alt.
Ch 2 460.300 Police Dispatch (primary)
Ch 3 460.225 car to car
Ch 4 460.350 Tactical

Galveston FD's new freq

The Galveston FD made a frequency change to 151.115 several months ago. This frequency is allocated to the Highway Dept band, so it's really unusual to see a fire dept on it. (Editor's note: this is another example of inter-service sharing as discussed in the Feb 84 column.) The input to the repeater is 154.340. Anyone who's been to Galveston knows that there is a lot of intermod, mainly caused by the NOAA and mobilephone transmitters. This problem is also plaguing the fire department. Everytime the repeater is keyed, a mixture of NOAA and mobilephones keeps the repeater keyed up. So they have the world's first intermod operated repeater!

Beaumont DPS Goes Simplex

If you've heard some strange communications on 154.680, chances are that it is the Calcasieu Parish, La Sheriff's Dept. For some reason they decided to change frequencies to 154.680, much to the dismay of the Beaumont DPS dispatcher. This Parish borders Texas, so it's just about 25 miles from Beaumont. This change makes communications on TX DPS channel 1 impossible, so they are using 155.460 (ch 2) simplex. It would be interesting to know if the CPSO is keying up the Jasper DPS relay on 159.210.

[Editor's editorial: It looks like a case of lack of communication (no pun intended) on the part of the La. and TX state frequency coordinators in this situation. I can not believe that a local govt would ask for and receive a coordinator's sanction to use a state allocated frequency when that frequency is in obvious heavy use nearby. The last of this story may not be in yet.]

Thank you, Marvin, for sharing your newsletter information with us. Richard & I, and I am sure all our readers, look forward to seeing your forthcoming newsletters. We wish you much success with this venture and we look forward to the cooperation between this column and yours.

As mentioned in the latter part of Richard's column last month, info was and still is being sought concerning the emergency communications in the aftermath of the crash of Delta Flight 191. I (TX-003) am supplying a reprint of a report on the situation from "The W5YI Report", an amateur radio news bulletin. I am reprinting the whole article as I believe it gives valuable insight into the background communications and activities at the scene. If you follow closely you will probably be able to second guess the frequencies of the non-amateur agencies involved.

The following is taken from THE W5YI REPORT August 15, 1985 issue (Vol. 7, Issue #16)

PLANE CRASH EMERGENCY DRILLS PAY OFF IN DALLAS
Taken from The W5YI Report

Friday, August 2nd, was a hot muggy day in Dallas...one of many. A small, but powerful, thunderstorm had moved in to the northern part of mammoth DF/W airport. Weather conditions were not good. One Delta 727 jet had already made a decision to divert to Oklahoma City. Delta 191, a widebody L-1011 carrying 162, attempted the landing at 6:05PM. It didn't make it.

The Tristar jumbo jet hit short of runway 17 and bounced over Highway 114 that I had travelled over just an hour earlier. (sic) Its landing gear instantly decapitating an unsuspecting driver. The plane burst into fire after slamming into two water tanks. All those sitting in the forward section were killed. The twenty some odd survivors were in the tail section. The next few hours were absolutely chaotic... and tragic. Charred bodies and gore were everywhere.

Delta 191 was the first major crash at the Dallas/Ft Worth International airport and the worst in Texas history. No one is yet sure of the cause. Vertical "wind shear" turbulance or a lightning strike is mentioned.

Dallas RACES, the Radio Amateur Civil Emergency Service, a part of the Amateur Radio Service that provides radio communications for civil defense purposes, had participated in annually rehearsed emergency preparedness drills. The scenario that had been practiced was that there would be a lot of survivors... a lot of injured. It wasn't to be.

The role of amateur radio in the D/FW emergency plan is to provide backup communications from the crash site to area hospitals, blood banks, Department of Public Safety (state

police) and various Civil Defense offices in the Dallas County area, including the EOC, the Emergency Operating Center, for the City of Dallas during a disaster. RACES also provides a qualified radio operator at each hospital for assistance with the main "DalNet" hospital radio circuit which is operational on other than ham spectrum.

RACES' Johnny Davis, K5JD, sounded the alert tone within five minutes of the crash which notifies RACES members on specially equipped receivers of an emergency. The RACES group was activated by John Pickett of the Dallas Office of Emergency Preparedness. The net went operational on the W5FC 146.28/146.88 repeater with Davis... and later on, Phil Clements, K5PC...as net control stations.

The Dallas Amateur Radio Club's communications loaded emergency van was dispatched immediately to the crash site and was among the first at the scene. At least 50 different emergency agencies responded to the disaster. D/FW has a very elaborate emergency plan. All neighboring cities are immediately notified at once via intercity radio. Dozens of ambulances showed from everywhere.

Jim Haynie, WB5JVP, Charlie Miller, WD5EEH, and Hank Levine, K5VXM, were present at the scene. ... The RACES net, on the air from thirty minutes after the crash, didn't cease operation until after midnight. They were right in the middle of things. It was not a pretty sight. Haynie said he was "dumbfounded... dumbstruck" and that it was difficult for him to describe. Haynie who had walked through the wreckage said he was still having a problem dealing with it.

Amateurs were immediately dispatched to ten metroplex hospitals. Within an hour after the net was opened, eight hospitals had RACES operators present. All ten hospitals, as well as the other locations, were manned within an hour and a half.

There was quite a bit of activity for about three hours. Unfortunately the communications level between the site and the hospitals was relatively low compared to what it would have been had there been more survivors. About a dozen survivors were pulled by rescue workers from the flaming wreckage.

After the hospitals were notified that the ambulances were on their way, communications consisted mainly of notifying the EOC of the number of those injured and victims sent to the various hospitals. Traffic was also handled with the blood banks which needed supplies.

A "broadcast" call was sent out for "O-negative" blood needed by the blood bank on 146.28/.88. It was amazing how many people had receivers on .88! The pin-pointing of 14 pints of "O-negative" blood at a local hospital was handled via ham radio. It was impossible for the hospital to get through to the blood bank on the telephone. Again, amateur radio answered the challenge.

Refrigerated trucks arrived and a temporary morgue was set up at the air freight terminal a short distance away. Trips between the morgue and the scene were coordinated on amateur radio.

One report had it that the Dallas Amateur Radio Club van was treated pretty much as a command post. A number of officials came over and used the radio. One government call was to Washington, DC. A federal agent had flashed a badge and said he had to make a phone call. It was handled via amateur radio phone patch after the long distance capability was enabled.

There was also some (questionably legal) deadline newspaper media reporting passed on the ham radio circuit to get the word out to the public. After a couple of hours, cellular phones were brought to the site and were used. Radio proved to be superior to the telephone in many instances since the phone lines quickly got jammed with hundreds of calls.

The main use of amateur radio during the disaster was to collect information about survivors (how many there were... and where they were going) and to provide liason between Dallas and Tarrant County. D/FW Airport is located between the two. Several key rescue officials were assigned amateur operators (with handie-talkies) to increase their communications effectiveness. They worked into the van on simplex channels.

Jim Badgett, the Dallas County Civil Defense Director, said via phone patch on the RACES training network held the Sunday after the crash that the work that the amateurs did during the disaster was very, very valuable. The state police (ed. note: ie, DPS) said they derived a great deal of desperately needed information by monitoring the .28/.88 machine. August 2nd was a long night for amateur radio in Dallas but it proved its worth when the chips are down. One airport official was to heard to say, "I guess our drills paid off."

And now here is the 1984 Cumulative Index. We certainly hope the index here and the ones printed in the July 85 issue are of benefit to you.

PUBLIC SAFETY - SOUTH CENTRAL
INDEX - 1985

M	Y	SUBJECT	ST	CITY/AREA-CO/PRSH	CONTB
01	85	GREGG CO FREQ LIST	TX	LONGVIEW GREGG	TX-???
01	85	HARRISON CO FREQ LIST	TX	MARSHALL HARRISON	TX-???
01	85	MORRIS CO FREQ LIST	TX	DAINGERFIELD MORRIS	TX-???
01	85	PANOLA CO FREQ LIST	TX	CARTHAGE PANOLA	TX-???
01	85	RUSK CO FREQ LIST	TX	HENDERSON RUSK	TX-???
01	85	UPSHUR CO FREQ LIST	TX	GILMER UPSHUR	TX-???
01	85	N.E. TEXAS AREA LISTINGS	TX	-- N.E. TX	TX-???
01	85	BEXAR CO AREA FREQS (ADD'L)	TX	SAN ANTONIO BEXAR	TX-041
01	85	TRAVIS CO SYSTEMS PROFILE	TX	AUSTIN TRAVIS	ARLC
01	85	AUSTIN FD DIST CHANGES	TX	AUSTIN TRAVIS	TX-043
02	85	HOUSTON AREA UPDATE (4/84)	TX	HOUSTON HARRIS	HALG
02	85	AUSTIN FD UNIT ROSTER/NEW DISTS	TX	AUSTIN TRAVIS	TX-095
02	85	TPW/PARIS J.C./BONHAM FREQ INFO	TX	BONHAM FANNIN	TX-081
02	85	WASHINGTON PRSH CORR. INST. FREQ	LA	-- WASHINGTON	LA-031
03	85	MISC OK CITY LISTINGS	OK	OKLA CITY --	TX-095
03	85	N.E. OK RADIO LISTINGS	OK	-- N.E. OK	CALA03
03	85	SAN ANTONIO AREA UPDATE (12/84)	TX	SAN ANTONIO BEXAR	TX-025
03	85	DPS/SULPHUR SPRINGS ON 155.445	TX	SULPHUR SPRINGS HOPKINS	TX-134
03	85	D/FW AREA MISC UPDATES	TX	D/FW D/FW	OH-138
03	85	BELL CO - CONFIRMED LIST	TX	TEMPLE BELL	TX-097
03	85	CORYELL CO - CONFIRMED LIST	TX	GATESVILLE CORYELL	TX-097
03	85	MCCLENNAN CO - CONFIRMED LIST	TX	WACO MCCLENNAN	TX-097
03	85	BRAZOS CO - CONFIRMED LIST	TX	COLLEGE STN BRAZOS	TX-097
03	85	WILLIAMSON CO - CONFIRMED LIST	TX	GEORGETOWN WILLIAMSON	TX-097
03	85	VAN ZANDT CO PROFILE	TX	CANTON VAN ZANDT	TX-134
03	85	MISC CENT. TX FREQS-CONFIRMED LIST	TX	-- C. TX	TX-097
04	85	SAN ANTONIO AREA UPDATES (12/84)	TX	SAN ANTONIO BEXAR	TX-025
04	85	GALVESTON & MISC S.E. TX FREQS	TX	GALVESTON S.E. TX	TX-002
04	85	PLANO PD PRIMARY CH	TX	PLANO COLLIN	TX-149
04	85	LA - S.W. AREA MISC INFO	LA	-- S.W. LA	TX-002
04	85	HOUSTON AREA PROFILE UPDATE (5/81)	TX	HOUSTON HARRIS	HALG
04	85	BURLESON PD DISP CODES	TX	BURLESON JOHNSON	TX-149
04	85	HOUSTON PD DIST MAPS A-C	TX	HOUSTON HARRIS	HALG
04	85	BURLESON FD FREQ	TX	BURLESON JOHNSON	TX-149
04	85	HEMISFAIR FREQ CORRECTION (12/84)	TX	SAN ANTONIO BEXAR	TX-076
05	85	FT WORTH FD/AMB INFO	TX	FORT WORTH TARRANT	TX-149
05	85	HOUSTON PD DIST MAPS D-F	TX	HOUSTON HARRIS	HALG

05	85	D/FW MISC SUBURBAN AREA NOTES	TX	FORT WORTH TARRANT	OH-138
05	85	TFS MOBILE COMMAND POST	TX	-- STATEWIDE	TX-003
05	85	FT WORTH PD CHANNEL CHANGES	TX	FT WORTH TARRANT	OH-138
05	85	TFS RADIO NOTES/NECHES	TX	-- --	TX-094
05	85	<>NEW ASST PS-SC EDITOR<>	--	-- --	TX-043
05	85	HOUSTON FD STN MAP	TX	HOUSTON HARRIS	HALG
06	85	TFS RADIO SYSTEM PROFILE	TX	-- E. TX	TX-094
06	85	WOOD CO PROFILE	TX	QUITMAN WOOD	MD-104
06	85	ALABAMA ST TROOPERS RADIO PROFILE	AL	-- STATEWIDE	**-???
06	85	WASHINGTON PRSH - NEW VFD	LA	-- WASHINGTON	LA-031
06	85	D/FW MISC NOTES	TX	D/FW D/FW	OH-138
06	85	LA & N.E. TX EMS HELO SERVICE	LA	-- STATEWIDE	TX-094
06	85	AUSTIN CITY ELECTRIC DEPT CH'S	TX	AUSTIN TRAVIS	TX-097
06	85	FWFD ON 800 MHZ	TX	FT WORTH TARRANT	OH-138
06	85	ARK. - CENTRAL AREA FREQ LIST	AR	-- C. ARK	AR-010
06	85	HOUSTON CO FIRE CHANNEL	TX	CROCKETT HOUSTON	TX-094
06	85	OK RADIO PROFILE	OK	-- E. OK	TX-156
07	85	ANNUAL INDEX 1980-1984	--	-- --	******
07	85	GRAND PRAIRIE AREA NOTES	TX	GRAND PRAIRIE DALLAS	OH-138
08	85	HURRICANE-HAM HF EMERG. NETS (TX)	TX	-- STATE	TX-045
08	85	155.340 ?RPTR INQUIRY	TX	-- --	TX-003
08	85	ARLINGTON PD RPTR INPUT CORRECTION	TX	ARLINGTON TARRANT	OH-138
08	85	ARLINGTON PD 800 MHZ PLANS	TX	ARLINGTON TARRANT	OH-138
08	85	FT WORTH PD CH'S REVISED LIST	TX	FT WORTH TARRANT	OH-138
08	85	ORANGE CO FD FREQ LIST	TX	ORANGE ORANGE	TX-164
08	85	D/FW MISC FREQS	TX	D/FW D/FW	OH-138
08	85	AUSTIN AREA FREQ LIST	TX	AUSTIN TRAVIS	ARLC
08	85	FT WORTH FD 800 MHZ CH'S	TX	FT WORTH TARRANT	OH-138
08	85	SECURE RADIO CH'S LIST	TX	-- STATEWIDE	TX-045
09	85	TX STATE LICENSE (4X3) ROSTER	TX	-- STATEWIDE	TX-043
09	85	D/FW MISC FREQ NOTES	TX	D/FW D/FW	OH-138
09	85	AUSTIN FD SMOKEBUSTER 7 UNIT	TX	AUSTIN TRAVIS	TX-043
09	85	AUSTIN EMS STAR FLIGHT HELO	TX	AUSTIN TRAVIS	TX-043
10	85	<<<NO COLUMN THIS MONTH>>>	--	-- --	------
11	85	1985 TX CONVENTION REVIEW	TX	-- --	------
11	85	D/FW FREQ LISTING PT 1	TX	D/FW D/FW	OH-138
11	85	TRAVIS CO. VFD BOND ELECTION	TX	AUSTIN TRAVIS	TX-043
11	85	AUSTIN EMS STARFLIGHT INFO	TX	-- C. TX	TX-043
11	85	TX RENAISSANCE FESTIVAL FREQS	TX	HOUSTON HARRIS	------
11	85	D/FW FREQ LISTING PT 2 (SUBURBS)	TX	D/FW D/FW	OH-138
12	85	DELTA FL 191 REPORT (YI REPORT)	TX	D/FW D/FW	W5YI
12	85	1985 ANNUAL INDEX	--	-- --	------
12	85	GALVESTON PD CH'S	TX	GALVESTON GALVESTON	TX-002
12	85	GALVESTON FD RPTR CH (151.115)	TX	GALVESTON GALVESTON	TX-002
12	85	BEAUMONT DPS NOW SIMPLEX	TX	BEAUMONT JEFFERSON	TX-002

And with that Richard and I would once again like to wish you and yours the best of the Holiday Season. Don't forget to drop hints about that new scanner you want Santa Claus to bring. We do hope that dream scanner makes its way under the tree. Until next month, have a nice Thanksgiving and best of luck with your Christmas shopping. Happy Holidays, everyone.

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details and questions as follows — Iowa, Kansas, Missouri, Nebraska, N. Dakota, S.Dakota, and Minnesota:

Kurt Swaney, P.O. Box 1198, Manhatten Beach, CA 90266-1198

Merry Christmas and Happy New Year. I hope this holiday season finds you and your family healthy and happy. Allow me to introduce myself: I am Kurt Swaney and I am your new Public Safety North Central column editor.

I am a native Kansan and 24 years of age, the last 16 years spent in Lawrence, Kansas. I completed my BSEE degree in 1984 at the University of Kansas. In the Spring of 1984 I accepted a position with TRW Electronics and Defense in Redondo Beach, CA. I worked in Redondo Beach last summer and returned to K.U. last Fall to receive my MSEE degree.

With the completion of that degree this Fall, I have now returned to sunny Southern California, TRW and RCMA.

I have been monitoring since 1972 and a member of RCMA since 1979. Due to college the past five years, I have not been active in the newsletter. I also dispatched for the University of Kansas Police Dept in 1981 and 1982.

I am very excited about editing the PSNC column. I was initially concerned about no longer living in the PSNC area. However, as you can see, my roots are in Kansas.

On behalf of the PSNC readers, I want to thank Rudy Brockmueller for editing the column for the past 14 months. Rudy and the past column editors have established some good habits and I plan to follow them. I will acknowledge every contribution with a post card advising when you can expect to see your contribution in the column. I will honor any contributor's request for anonymity, but, I'm sorry, I will not be able to print contributions sent to me anonymously.

So, what do you think? Do you have any suggestions? Gripes? And, most importantly, what have YOU contributed this month?! My address is:

Kurt Swaney
RCMA PSNC
PO Box 1198
Manhattan Beach, CA 90266-1198

NEWSLETTER INDEX: Rudy Brockmueller produced an excellent state/topic cross-reference index. The IA topic index appears in the August 1985 newsletter. The KS, MN, MO, NE, ND and SD topic indecies appear in the September 1985 newsletter. Below is the newsletter/topic index, part 1:

RCMA PUBLIC SAFETY NORTH CENTRAL
Newsletter Topic Index
1983 - 1985

1985 Dec			newsletter topic index, 1983 - 1985
Nov			no column
Sep			state/topic index: KS, MN, MO, NE, ND, SD
Aug			state/topic index: IA
	IA	Cedar Rapids	radio codes
		Linn County	area
		Tama County	area
Jul	KS		KS Sheriff radio expansion plan
	MO	St. Louis	radio modernization plan
	SD	Parker	SDHP tower article, part 2
Jun	IA	Linn County	CD, VFD
	SD	Parker	SDHP tower article, part 1
May	IA	Des Moines	area
	MN	Twin Cities	area
Apr			no column
Mar	MN		MN Sheriff radio channel plan
Feb	KS	Wichita	area, PD radio codes
	MO	St. Louis	PD radio codes
			MHP radio system changes
Jan	KS	Wichita	corrections
	MO		SEMA radio system
1984 Dec	KS	Concordia, Hays	area
Nov	IA	Des Moines	area
	MO		MO Sheriff frequency coordination
Oct			PSNC reader survey
Sep			Rudy Brockmueller introduction
	SD	Parker	SDHP
Aug			no column
Jul	KS	Wichita	area
Jun			no column

	May		no column
	Apr		no column
	Mar	IA, KS, MN, MO, NE, ND, SD	state police radio system plans
	Feb		no column
	Jan	IA Cedar Rapids	corrections
		Des Moines	area
		MO Kansas City	FD
		MN	universities
1983	Dec	IA Linn County	area, part 3
		Des Moines County	area
			IA Conservation Commission
		KS Kansas City	area
			KHP radio system
	Nov	MN	MN communication profile
	Oct	KS Olathe, Lenexa	area
		IA Linn County	area, part 2
			state fair security
		ND	NDHP repeater map
	Sep	IA Council Bluffs	area
		Linn County	area, part 1
		Scott County	EMS
		KS	KHP Division 4 map
	Aug	KS	KHP Division 3 and 6 maps
	Jul	IA	DPS
		Jones County	EMS
		Cedar County	EMS, FD
		KS	KHP Division 2 map
		MO St. Louis	PD radio codes
		MN Ramsey County	Sheriff
		SD Sioux Falls	PD
			SDHP radio numbers
	Jun	KS	KHP Division 5 map
		Overland Park	area
		MO St. Louis County	parks and recreation
	May	IA	DPS
		KS Lawrence	University of Kansas
			amateur radio Rptr map
		MN	Dept of Natural Resources
	Apr	IA	DPS radio codes
		KS Johnson County	EMS, FD
		MN	MSP
		MO Ozark County	area
		St. Joseph	area
	Mar	MN Hennepin County	Sheriff
	Feb	IA Des Moines	area
		Cedar Rapids	PD
		Iowa City	area
		Clinton County	area
		KS	KHP Division 1 map
		NE Omaha	PD district map
	Jan	IA	EMS

("area" implies multiple services covered, county and/or city)

CORRECTIONS: none yet...

NEXT MONTH: editorial schedule, DOTs, Index part 2, more new stuff!

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Jack Waterman, 466 Kings Way, Mundelein, IL 60060

HI! Welcome to Public Safety/Great Lakes for December, 1985. As I'm writing this, there are still green leaves on the trees and it's reasonable to venture outdoors with just a light jacket or sweater. Hard to believe that another "Chicago Winter" is on the way.

As I mentioned last month, the General Editor asked all column editors to prepare an index of the last year's materials to be run in this edition of the Newsletter. So that will comprise the bulk of PS/GL for December. However, I do have just a couple of 'tidbits' from the last meeting of RCMA Chicago Chapter to share with you first. Here they are:

The **Illinois State Police** will assume responsibilty for patrol on Chicago's expressways, probably during October. The original target date for switch-over was 10/1/85; however, ISP patrol of the exways was half of a deal between Governor Thompson and Mayor Washington. Washington's half was to install 'LOTTO' machines at O'Hare Airport. That hadn't been done by 10/1, so the troopers did not begin patrol.

The **frequencies** that will be used by the patrol units are **42.88** for the north sector [Edens, Kennedy, Eisenhower] District 3, and **42.66** for the south sector [Ryan, Stevenson, Calumet, (?)Skyway] District 4. This will require District 4 mobiles to switch back to the base freq of **42.34** and District 16 mobiles to switch to **42.70** from 42.72 . Dispatch reportedly will be from District 3 and District 4 HQ's, using a remote site at U of I Chicago Circle campus.

Listen to the **Metropolitan Sanitary District** for details of hazardous materials incidents, severe weather conditions, etc. They're on **453.925** R. The **Chicago Water Works** may be monitored on **158.250** S - their call sign is KGW-529. Special thanks to **Jeff** [IL-064] for that 'catch.'

The tentative schedule for RCMA Chicago Chapter meetings during 1986 is:

January 18	March 8	April 19
June 7	August 2	September 27
November 15	August 17 - Picnic and Field Day	

Mark your calendars.

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INDICES [indexes] - Here they are. You'll find one index sorted by subject and the second by month. Both begin with December, 1984 and end with November, 1985 because that's the last column I wrote before this one. However, you'll note that there are no page numbers for November, 1985. That's because even the column editors haven't received that issue by the time it's necessary to write this one. So you'll have to look back to last month's Newsletter and fill in the blanks yourself.

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C.A.D. Center	APR	60
Chiefs on Citywide 5	NOV	
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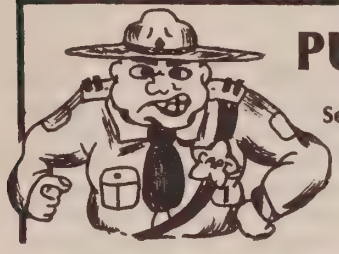
PREVIEW OF COMING ATTRACTIONS - So far, the mailbag holds a nifty listing of Champaign County, IL freqs from **Ken** [MO-045], a detailed look at Sangamon County, IL Sheriff from **Gary** [IL-073], an early bird review of freqs at the Illinois State Fair from **Jeff** [IL-064], and an Illinois ESDA transmitter site map and IDOT info from **Kevin** [IL-274]. I'm sure all the column readers would like to see your contribution, too!

FINAL TIP - From **Michael** [IL-014] comes advice to listen to Chicago FD Administrative freq [Ch 3 - 154.220 S] for the ambulance assist program, also known as the "closest company concept." C.A.D. will send the nearest Engine or Truck company to assist the ambulance on medical emergency runs. The Fire Company will radio details of location, nature, etc to the ambulance prior to their arrival using channel 3. Makes for interesting listening if you're close enough into the city to receive 154.220 simplex.

Well, that's it for another month. Please accept my sincere wishes that you may find the peace and joy that the Christmas season offers. And if you make antenna, squelch, and volume adjustments just right, this may be your year to monitor "North Pole 1" - I understand that he's installed a new quarter-wave on Blitzen's harness. So, back to the scanners and

TRACK 'EM DOWN !! WRITE 'EM UP !! SEND 'EM IN !!

Best regards [don't forget oats on the hearth for Rudolph!],



PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia and Virginia:

John Dorsey, P.O. Box 100, Quinton,VA 23141

PUBLIC SAFETY SOUTHEAST 1984 BY ISSUE

JANUARY 1984

Miami FL PD freqs; Article "Florida Division of Forestry" giving extensive data, codes, frequencies, assignments for Florida Forestry and Firefighters; freq. lists of Florida State's Attorneys and Florida University PDs; listing of freqs for Indian River County FL.

FEBRUARY 1984

Media freqs for Tampa Bay Super Bowl; "Monitoring Roanoake VA" lists PD, FD, LG, EMS and media data for Roanoake and Salem Va; Monitoring Prince William County VA" gives detailed listing of PD and FD freqs; "Monitoring Charlotte County FL" lists PD, FD, LG and EMS freqs; Stuart FL EMS and FD freqs; Columbia SC and Myrtle Beach PD & FD freqs; "Profile of Columbia SC FD" gives stations, freqs, equipment listing; Complete listing of all "North Carolina Amateur Repeaters" with frequency and repeater site locations.

MARCH 1984

Atlanta Airport PD 800 mhz freq list; Deerfield Beach FL PD 800 mhz freq list; Article "Monitoring Eastern North Carolina" gives extensive listing of frequencies for PD, FD, EMS, and State Agencies for Eastern NC; Article "Monitoring Western VA" does the same for Western VA as well as listing for VA State Police Channels and VA DOT; Article "Monitoring Arlington County VA" covers freqs for county PD, FD and LG by channel assignment; "Monitoring Georgia Sheriff's Communications" gives complete breakdown of IDs and frequencies Statewide.

APRIL 1984

Article "Monitoring Florida's Panhandle" gives complete code and freq lists for Florida Sheriffs in 10 Panhandle Counties; Complete listing of 10-codes and dispatch signals used by Florida Sheriffs Association (statewide except for Miami); "Monitoring Huntington WV" gives Freq list of PDs, FDs, general interest; "Charlotte NC FD Profile" presents listing of equipment, freqs; "Profile of Orlando FL FD" lists equipment, freqs for department. UPDATES: FL State Attorneys; Western Tampa Bay; FL Div of Forestry; FL State Parks; Northern VA traffic reporters; revised Broward Co FL Sheriffs freqs; FL Fish & Game notes; FL Dept of Law Enforcement for Orlando; Orlando FL traffic and news reporting frequencies.

MAY 1984

Article "Monitoring Greater Atlanta GA" covers all known Atlanta PD, Fulton CO, Gwinnett, Cobb Co PD freqs with Atlanta and Fulton Co dispatch codes and status codes; Article "Monitoring St Petersburg FL" gives extensive freq list for St Pete PD and surrounding cities with dispatch signals; Pinellas Co FL Hospital network freq list. UPDATES: FL NOAA Weather freqs; Tampa FL stadium and traffic freqs; Charlotte Co FL Sheriff notes; extensive Washington area media freq listing; Pasco & Hernando Co FL updates; West Palm Beach FL PD 800mhz listing; notes on monitoring FHP speed-checking aircraft.

JUNE 1984

Article "North Carolina State Highway Patrol" covers everything known about NCSHP with maps, freqs, assignments, IDs, codes, base station calls and locations. Complete, up-to-date profile of the NCSHP.

JULY 1984

Dekalb Co GA PD codes, freqs, FD stations, channels; Profile of Greater Dade Co (Miami area) FD with freqs equipment, station data; Florida Disaster Control and EOC profile with special data on Palm Beach Co; Jacksonville FL listing revised.

AUGUST 1984

Article, "Virginia State Police" covers everything known about the VSP with 7 pages of maps, freq lists, codes, base station locations and calls, Division HQs, and channel assignments.

SEPTEMBER 1984

Article, "Monitoring Western Tampa Bay" covers many local PDs, FDs, LG, and EMS systems with freq lists and assignments for the WESTERN side of Tampa Bay. Tampa PD and Hillsborough freqs are noted, but not extensively. SAS Ambulance (which serves western Tampa Bay area) codes are listed along with hospital Id's. UPDATES: Indian River Co FL note; additional western Tampa Bay notes; Florida Fish & Game, and FDLE notes; IBM Security for Boca Raton FL; Palm Beach FL MedCom, Aviation authority, School Security notes; Virginia Beach VA misc. updates; GA Forestry notes for Augusta and Savannah area; note on Greater Atlanta "MRD" freq. Info on catalog numbers, how to order and address for FCC microfiche freq listings.

OCTOBER 1984

Article, "Florida Highway Patrol" covers freq, troop locations, station freq, and call letters for statewide FHP as well as FL Turnpike system. Everything needed to monitor FHP stations, cars, airplanes with complete data on call signs and how the systems work. UPDATES: W VA Dept of Natural Resources freqs; note on Wake Co NC (Raleigh) sheriff regarding use of 800mhz phones in patrol cars; updates on Raleigh NC freqs; revised Broward Co FL CDC Sheriff channel assignments; updates on Tampa Bay FL, east and west sides; FL Dept of Law Enforcement (FDLE), mobile radio control head shown.

NOVEMBER 1984

Article, "Gwinnett Co GA" covers PD and FD freqs, codes along with a general area freq listing for Greater Atlanta PDs, FDs, media; brief general interest listing for Central FL, east coast PDs, National Seashore Rangers; over two pages of freq used by Cape Kennedy launch teams and media for outstanding monitoring of shuttle launch. UPDATE: New Bern NC NCSHP station being remoted to Williamston for dispatch; note on Augusta GA area.

DECEMBER 1984

Complete index for all Public Safety Southeast from January 1983 thru December 1984.

PUBLIC SAFETY SOUTHEAST 1985 BY ISSUE

JANUARY 1985

Extensive listing Richmond VA area includes PD, FD, EMS, unit numbers, codes, many State agencies and misc listings. UPDATES: VA Dept of Highways (Richmond-Petersburg Turnpike); VA Dept of Emergency Services; Pinellas Co FL FD, media, Tampa PD, misc Tampa updates; Wake Co NC Rescom.

FEBRUARY 1985

Articles on Tampa Bay FL CD Network, Hurricane Evacuation Shelter net, Disaster Control Network users; Pasco Co FL Sheriff and general interest freqs; Listing of Greensboro NC FD freqs, stations, and equipment; Coverage of Augusta, Richmond Co, GA PD, FD, EMS and general interest listing with Richmond Co dispatch signals. UPDATES: DeKalb Co GA School Security, EMS; extensive and various listings for Fort Lauterdale, Broward Co FL; note on Blairsville GA PD; Misc list for Moncks Corner, SC; Pinellas Co FL FD dispatch; Richmond Va misc area listing; FL FHP-Tpk.

MARCH 1985

Amateur repeaters of the Southeast. UPDATES: Orange Co FL misc; REACT UHF freqs; FL Div of Law Enforcement list, including codes.

APRIL 1985

Two articles on Orange Co FL- "Updating Orange Co FL" covers area PD, FD, EMS and misc agencies; "Monitoring Orange Co Fire" lists freqs and stations; "Central Florida Locals" covers many agencies in quite a few counties; "Monitoring Western Central Virginia" discusses PD, FD, in Lynchburg-Roanoake VA and describes a regional EMS network; "Monitoring Tidewater Virginia" covers some South of the James River cities PD, FD, and EMS systems. UPDATES: Pinellas Co FL PD; VA use of 39.50 discussed. Article on Northern VA snow removal. MORE UPDATES: Misc Ft. Lauderdale and Broward Co FL; misc Atlanta GA; VA misc updates.

MAY 1985

Florida Turnpike article covers new unit IDs and exit numbers; "Monitoring West Virginia" is an "everybody" article including State and Local agencies; Williamsburg VA article covers PD, FD, EMS and many other services; Richmond VA Amateur Repeaters article shows extensive coverage of two-meter use in area; UPDATES: Tampa Bay FL CD; Broward Co FL EMS notes; St. Petersburg FL FD updates; FL State Fire Marshalls' freq; notes on State of Virginia agreement with MCI.

JUNE 1985

Comprehensive listing of Western VA and WV; "Monitoring Charlotte, Brevard, and Sarasota Counties FL" contains PD, FD, EMS and many other agencies info, including Freq, stations, and codes. UPDATES: FL- Sunrise and Tamarac interference problems; Daytona Beach Sheriff, PD notes; Note on Shenandoah Park, VA; more VA Amateur Repeaters; Atlanta GA AAA towing; Stuart FL PD, FD, EMS and FHP notes; item on Port Everglades FL Port Authority; 800mhz in Broward Co FL; Fernadina Beach-Nassau Co FL PD.

JULY 1985

"Monitoring Central South Carolina" covers EMS, FD, PD, Sheriffs Dept, many civilian agencies, military bases, and Highway Patrol; "UHF in Western VA" is a continuation of June 1985 article; "Monitoring Greater Orlando FL" is a comprehensive listing for scanning in that area; "Charlotte NC Update" is a very complete list of media, PD, FD, and EMS

AUGUST 1985

Georgetown and Horry Co SC misc listing; Sarasota and Bradenton FL list includes CD, Fire, Police, and other agencies; Further info on Sarasota; Articles on Orlando FL and surrounding Cos including Orange Co Civil Emergency Network, Seminole Co, Volusia Co, Brevard Co, and Orlando PD, FD, EMS and Orlando Fire codes; info on Northern Neck of VA EMS, PD, FD; UPDATE: Tampa Bay FL FD.

SEPTEMBER 1985

In-depth coverage of Hampton VA FD, PD ten-codes; Central VA (Mountains) PD, FD, EMS; FL- Series of UPDATES on Pinellas, Manatee, and Charlotte Cos include FD, PD, EMS, and Civil Emergency Network.

OCTOBER 1985

North Carolina EMS Telemetry maps; EMS, PD, FD, Forestry in Brunswick GA; UPDATES: Broward Co FL Parks and Recreation; VA- Staunton-Augusta Rescue.

NOVEMBER 1985

Richmond VA Fire Stations; Article on Hillsborough Co FL PD, FD, EMS. UPDATE: Richmond VA Rescue.

DECEMBER 1985

Complete index of 1984 and 1985 Public Safety Southeast.

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SEND PUBLIC SAFETY AND SPECIAL EMERGENCY FEQUENCIES, RADIO SYSTEM DETAILS AND QUESTIONS FOR ALASKA, ARIZONA, COLORADO, HAWAII, IDAHO, MONTANA, NEVADA, NEW MEXICO, OREGON, UTAH, WASHINGTON AND WYOMING TO:

GEORGE N. HOGGATT, 17473 E. 16TH DR., AURORA, CO 80011
ELECTRONIC MAIL:<COMPUSERVE:75376.673><DELPHI:JORG><SOURCEMAIL:BBZ812>
****

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No submissions in 1984 or 1985

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	September 1985
General freq. list	September 1985
Reno/Sparks	September 1985
W. Nevada freq. list	October 1985

NEW MEXICO

Acoma Pueblo Tribe	May 1984
Dept. of Corrections	September 1985
Dept. of Game & Fish	September 1985
Gallup	July 1984
Grants	July 1984
Laguna Pueblo Tribe	May 1984
Medical	June 1984
	November 1985
Misc.	January 1984
Mounted Patrol	September 1985
State Police	February 1984
	May 1984
	September 1985
Statewide fire	June 1984

OREGON

Beaverton	December 1984
Klamath Falls	September 1985
Multnomah County	February 1984
	March 1984
Portland-Bowfield Proj.	March 1984
Portland	September 1984
State Police	March 1984
	May 1984
	September 1985
	October 1985
Tri-county Metro Transit	September 1984

UTAH

No data from Utah in 1984 or 1985

WASHINGTON

Bellevue	July 1984
Cowlitz County	March 1984
	May 1984
Grey's Harbor County	March 1984
King County	January 1984
	February 1984
	March 1984
	May 1984
	June 1984
	July 1984
	October 1984
	December 1984
	August 1985
Kitsap County	March 1984
Lake Forest Park	July 1985
Misc.	December 1984
	February 1985
Seattle	February 1984
	March 1984
	January 1985
	July 1985
Seattle Metro Bus	January 1984
Snohmish County	July 1985
Snoqualmie	July 1985
Spokane (city)	October 1985
Spokane County	October 1985
Spokane Airport	October 1985
Spokane Hosp. + amb.	October 1985
State Police	January 1984
	March 1984
	January 1985
	July 1985
State Game & Fish	October 1985
State Natural Resources	October 1985
Thruston County	March 1984
Valley Comm	July 1985
	October 1985

WYOMING

No data during 1984 and 1985

==========

	JANUARY 1984
Idaho	Ada County
	State Police
	Misc.
New Mexico	Misc.
Washington	State Police
	King County
	Seattle Metro Bus
	Seattle
	FEBRUARY 1984
Colorado	Lakewood
	Nets
	Parker FPD
	West Adams County FPD
	Cunningham FPD
Hawaii	Maui County
New Mexico	State Police
Oregon	Multnomah County
Washington	King County
	MARCH 1984
Colorado	Denver
Idaho	Canyon County
Oregon	Muntnoma County
	State Police
	Portland-Bowfield Project
Washington	Cowlitz County
	Thurston County
	Kitsap County
	State Patrol
	King County
	Seattle
	Grey's Harbor County
	APRIL 1984
Colorado	Denver
	Stapleton Int. Airport
	Misc.
	Estes Park
	Hinsdale County
	Boulder County
	Jefferson County Airport
	Clear Creek County
	FERN
	NLEEC
	Palmer Lake
	MAY 1984
Colorado	Denver
	Amusement Parks
New Mexico	Acoma Pueblo Tribe
	Laguna Pueblo Tribe
	State Police
Idaho	State Police
	Dept. of Transportation
Oregon	State Police
Washington	Cowlitz County
	King County
	JUNE 1984
Colorado	Operation SECURE
	State Highway Dept.
	Parker FPD
Montana	Operation SECURE
Nevada	Highway Patrol
New Mexico	Medical
	Statewide Fire
Washington	King County

JULY 1984

Arizona	Phoenix
Colorado	Colorado State Patrol
	Denver
	Trinidad
Hawaii	Kauai County
New Mexico	Gallup
	Grants
Washington	King County
	State Patrol
	Bellevue

AUGUST 1984

No column this month

SEPTEMBER 1984

Colorado	Dept. of Public Safety
Hawaii	Hawaii County
Idaho	State Police
Oregon	Tri-county Metro Transit
	State Police
	Portland

OCTOBER 1984

Colorado	Highway & Street Depts.
Washington	King County

NOVEMBER 1984

Colorado	Denver
	Dept. of Highways
	Adams County
	Arapahoe County
	Arvada
	Arvada FPD
	Boulder (city)
	Boulder County

DECEMBER 1984

Oregon	Beaverton
Washington	Misc.
	King County

JANUARY 1985

Arizona	Mohave County
	La Paz County
	Lake Havasu City
Colorado	Denver
Hawaii	Hawaii County
Washington	Seattle

FEBRUARY 1985

Idaho	Statewide medical
	Boise
	Misc.
Washington	Misc.

MARCH 1985

No column this month

APRIL 1985

Colorado	Misc.
Idaho	Frequency list part 1
Nevada	EMS maps part 1

MAY 1985

No column this month

JUNE 1985

Colorado	Clear Creek County
	Denver
Idaho	Frequency list part 2
Nevada	EMS maps part 2

JULY 1985

Colorado	Denver
	Aurora
Idaho	Frequency list part 3
Nevada	EMS list part 3
Washington	Lake Forest Park
	Valley Comm
	State Patrol
	Snohmish County
	Snoqualmie
	Seattle

AUGUST 1985

Hawaii	Honolulu
Montana	Bozeman
Idaho	Frequency list part 4
Washington	King County

SEPTEMBER 1985

Colorado	State Patrol
	Dept. of Highways
	Summit County
Hawaii	Hawaii County
Idaho	Gem County
New Mexico	Mounted Patrol
	Dept. of Game & Fish
	Dept. of Corrections
	State Police
Nevada	Frequency list
	Highway Patrol
	Carson City
	Reno/Sparks
Oregon	Klamath Falls
	State Police

OCTOBER 1985

Arizona	Misc.
Hawaii	Honolulu
	State - misc.
Nevada	Carson City
	Western Frequency list
Oregon	State Police
Washington	Valley Comm
	State Police
	Spokane (city)
	Spokane County
	State Game and Fish
	State Natural Resources
	Spokane International Apt.
	Spokane Hospitals & Amb.

NOVEMBER 1985

New Mexico	Medical System details

DECEMBER 1985

1984-1985 index

PUBLIC SAFETY—CALIFORNIA

P.O. Box 3962 Santa Fe Springs, California 90670-1962

FROM THE WIRE SERVICES OF AP, UPI & OTH...

An article was received, spotlighting "Baker One," the Riverside PD helicopter. The article states the helicopter program, which is 14 years old, has become an important law enforcement tool. Riverside PD recently purchased 2 "...slightly used..." Hughes 500-D copters to replace the 3 Bell 47 helicopters that were originally purchased when the unit was formed in 1971. The 500-D's were purchased for increased speed, fuel capacity, and passenger space. <In previous columns, the slower speed of the Bell copters were reported.> In the past 11 months <article dated 07-31-85>, the helicopter unit answered 4800 calls, and has been responsible for more than 225 arrests, and 275 citations <primarily for off-road violations>.

The Suburban Water Company of Valinda CA, began participation in a program entitled "Radio Watch." The program uses the 2-way radio system of the company to report any police, fire, or medical emergencies to the proper agency within the company's service area. Supervisory and service personnel were given instructions by local police and fire officals on what information is needed to make this program work effectively. Company personnel are not encourged to to become physically involved in any situations. All vehicles that are equipped with 2-way radios, have a "Radio Watch" decal for easy public identification. Suburban Water freq: 48.340 Mhz.

Mission Community Hospital in Mission Viejo CA, has now joined an emergency helicopter service: "Med Air." Mission Community will be sharing the overhead costs with 3 other area hospitals for the Med Air service. Med Air handles approximately 40 calls per month, and provides emergency assistance, as well as, air transportation to medical facilities. Mission Community Hospital is one of 4 trauma centers in Orange County.

An article received, detailed the efforts of local amateur radio operators to contact the space shuttle Challenger, during a recent mission. Highlighted in the article, was Gordon West <WB6NOA>, a local ham operator personality. The article mentioned Gordon's successful contact in November, 1983, with astronaut Owen Garriot, in Skylab 1. The article continues with the immense interest that has been generated by ham operators with these space contacts. One 13 year old operator said: "I'd like to be the first kid astronaut, then I'd contact all the ham radio operators out there."

And speaking of the hams, reports from the wire services, network TV and radio, and major national and international newspapers, continue to applaude the hard work and efforts of the amateur radio operators, during the recent series of earthquakes that hit Mexico City. While radio, TV, telephone and satellite communications were brought to a virtual halt, these operators provided the only links of communications between Mexico City and the rest of the world.

FROM THE CLANDESTINE FILES...

A member recently reported of another episode from the cases of the FBI. This member reported that a Soviet Consulate employee and his family moved into an apartment building across his street. Soon, strange vehicles of many makes and models began appearing, blocking his driveway, with the drivers writing notes and talking on mobile radios. After a few weeks, this member approached one of these persons, who, when asked for identification and the nature of their business, replied "Security Check" and only admitted to working for the Government. After a few more complaints, the FBI office was contacted, with a receptionist stating that FBI agents DO NOT have to identify themselves. Later, an FBI agent was given several of these compalints <after all--among other things--FBI cars DO leak oil>. The next day, the vehicles vacated the driveway and parked across the street AGAINST THE FLOW OF TRAFFIC!!--making them more obvious to the neighborhood residents. The "siege" finally ended when the Soviet family moved away. One of the "strange cars" was later observed "tailgating" another Soviet Consul vehicle <again drawing more attention>. All this, according to this member, leads to questioning of the FBI's capabilities. <"Mr. Briggs...this tape will self-destruct in 5 seconds...">

FROM DON <CASM-032>:

The Pacifica Public Safety Department is recruiting volunteers to work in the city's communications division. In an article from the Pacifica Tribune <dated 09-18-85>, the Public Safety Department is going to be using these non-paid volunteers in communications, to free sworn personnel from dispatching duties during vacation relief and sick periods, so that the sworn personnel can remain out in the field. According to the article, volunteers must be 18 years of age, and will be subject to a record check. For those interested

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Don also included a list of the Pacifica area freqs:

488.7375	R	Ch-1	Police	Primary
488.8625	R	Ch-2	Police	Tac-1
154.4450	S	Ch-1	Fire	Primary
45.1600	S		Local	Public Works

FROM RENE <CASC-018>:

2 letters were received. In the first, Rene mentions that in the August, 1985 Newsletter, Chuck <CASD-008> writes on picking up the CHP image freqs <75.78 & 72.46 Mhz> on his BC-250 at 54.18 & 50.86 <10.8 Mhz IF>. Rene states that on this BC-250's <10.85 Mhz IF> Extended Freq Range "is only 10.8 to 51.755 Mhz in 5 Khz increments so I'm very interested in how he programs 54.18 Mhz!" Rene also adds that his other extensions are 143.8-184.755 Mhz <5 Khz incr> & 307.4-512.1875 Mhz <12.5 Khz incr>. Rene also asks Chuck how can he pick up remote freqs on his MX-5000 by adding 21.6 Mhz, since the MX-5000 has a 750 Mhz IF from 25-550 Mhz? <Rene adds that he has been unable to duplicate this on his MX-5000 or Mx-7000>.

In his second letter, Rene had enclosed an amended copy of SB 1431, which would restrict scanners capable of monitoring the cellular phone freqs. Rene reports that changes made in the bill, "...seems to OK scanners that include cellular phone freqs in addition to other freqs providing that they're not used for 'unauthorized malicious interception or reception of cellular radio freqs...'" Rene points out the word "intentionally" was changed to maliciously <Refer to SEC.3, para 632.5(a) page 4 & 5>. Rene also states that "...convertors, such as the Hamtronics Receiving Converter CVR-806 <424-512 to 806-894 Mhz> which also includes private mobile and base freqs, in addition to cellular phone freqs evidently would not be illegal..." Rene concludes that the bill is on the Governor's desk for his signature or veto by October 1, 1985. If he doesn't sign it, it becomes law.

FROM BOB <CAOR-033>:

"This may sound like a commercial for REACT but it really does have some interest for the scanner listener, I think. Would you print the following?

"As some scanner listeners are aware, REACT < Radio Emergency Associated Citizens Teams> throughout the country uses a UHF system for radio contact between members. Most areas use the G.M.R.S. frequency of 462.675 Mhz, and also have a repeater. Typical communications include exchange of weather and traffic conditions, and organization business--the type of thing not legal or practical on CB channel 9.

"In Southern California, Orange County REACT is looking for new members. Prospects should be interested in using their CB or GMRS radio to help the public by reporting accidents, fires, disabled vehicles, etc. to the proper authorites. The organization is also involved in communications for a variety of community events, such as races. On a daily basis, members on the move with GMRS radios pass freeway traffic information to radio broadcast stations

thorught a special network. You may get an idea of this activity by listening on your scanner during the morning and evening drive times.

"Every Monday night at 8 PM there is an information exchange which the scanner listener may tune in on. Numerous REACT groups from all over Southern California may be heard as there are eleven repeaters that offer wide spread coverage.

"You may want to try 462.675 Mhz or call <714> 533-INFO for further information."

FROM BILL <CALA-614>:

2 letters were received from him. In the first letter, Bill was working on correcting this listing for the Los Angeles County Fire Department that is found in Monitor America. Bill passes along a sugguestion of getting copies of "Quik-Code" publications for easier translation of those "codes" heard on the police nets. For those members who collect PD patches and related items, Bill states a publication called Police Collectors News, which is an 8 - page newsletter "...loaded with info..." Bill also says he is starting a profile of Long Beach Fire, and asks that if any members who are interested in collaborating with him on this project are urged to contact him.

LOS ANGELES COUNTY FIRE

F-1	154.430	Dispatch <South County> "LA" KMG941
F-2	154.340	Dispatch <San Gabriel Valley> "Valley" KMG941 KDX523
F-3	154.400	Dispatch <North County> "Antelope" KMD778
F-4	154.265	Tac 4-Portables
F-5	154.295	Tac 5
F-6	154.280	Statewide Mutual Aid

U-1	470.3625	U-4	470.4625	U-7	470.5375	U-10	470.6125
U-2	470.4125	U-5	470.4875	U-8	470.5625	U-11	470.6375
U-3	470.4375	U-6	470.5125	U-9	470.5875	U-12	470.6625

"LA"

Battalion #1

7. West Hollywood <P>
8. West Hollywood <Hq>
18. Lennox <P>
21. Lawndale
38. Windsor Hills <P>
58. Ladera Heights <P>
60. Universal City
110. Marina Del Rey

Battalion #3

1. East LA
3. East LA <Hq-P>
22. Commerce
27. Commerce
39. Bell Gardens
50. Commerce
89. Commerce
163. Bell <P>

Battalion #7

6. Lomita <P>
10. Carson
36. Carson <Hq-P>
53. Portugese Bend
83. Rancho Palos Verdes
95. West Compton
105. Carson
106. Rolling Hills <P>
116. Carson <P>
127. Carson

Battalion #8

15. Whittier
17. Whittier
20. Norwalk
25. Pico-Rivera
28. Whittier <Hq-P>
40. Pico-Rivera <P>
49. La Mirada <P>
59. Whittier
96. Whittier
103. Pico-Rivera
115. Norwalk

Battalion #9
23. Bellflower
30. Artesia <P>
31. Paramount
34. Hawaiian Gardens
35. Cerritos
45. Lakewood <Hq-P>
94. Lakewood <P>
98. Bellflower
122. Lakewood
154. Signal Hill

Battalion #13
9. LA <Florence>
14. South LA <P> [Athens]
16. South LA <P>
41. Willowbrook <P>
52. South Gate
54. South Gate
57. Hollydale
164. Huntington Park <Hq-P>
165. Huntington Park

"Valley"

Battalion #2
32. Azusa <P>
62. Claremont
64. San Dimas <Hq-P>
85. Glendora
86. Glendora
97. Azusa
101. Claremont
102. Claremont
141. San Dimas
151. Glendora <P>

Battalion #4
11. Altadena <P>
12. Altadena
19. La Canada <P>
63. La Crescenta
66. Pasadena
82. La Canada <Hq>

Battalion #10
4. Rosemead
5. West Arcadia
29. Baldwin Park <P>
42. Rosemead
44. Duarte
47. Temple City <Hq-P>
48. Irwindale
90. South El Monte <P>

Battalion #12
26. La Puente
43. Industry <P>
61. Walnut <P>
87. Industry
91. Hacienda Heights
118. Industry
120. Diamond Bar
145. Rowland Heights <Hq>
146. Walnut

"Antelope"

Battalion #5
55. Avalon
65. Agoura
67. Monte Nido
68. Calabasas
69. Topanga
70. Malibu <Hq>
71. Malibu Rivera
72. Malibu
88. Malibu Beach <P>
99. Malibu
125. Calabasas <P>
144. Westlake Village
155. Catalina Island

Battalion #6
46. Sylmar
73. Newhall <Hq>
74. Kagel Canyon
75. Chatsworth
76. Castaic Junction
78. Lake Hughes
81. Mint Canyon
107. Canyon Country <P>
111. Bouquet Canyon <P>
123. Saugus
149. Castaic

Battalion #11
24. Palmdale
33. Lancaster <P>
37. Palmdale <Hq-P>
77. Quail Lake
79. Valyermo
80. Acton
84. Quartz Hill
92. Little Rock
93. Pearblossom
112. Antelope Acres
114. Lake Los Angeles
117. Lancaster
129. Lancaster
140. Leona Valley
157. Green Valley

In Bill's second letter, he busy working profiles for South Bay--Torrance Fire, and Verdugo Fire. Again, Bill would like to hear from other members in these areas to help collaborate information. Bills includes the San Luis Obispo County agencies, and the Fire Protection Districts <as well as 2 SLO patches>. Bill concludes with frequency listings from several National Forests.

<NOTE: For those interested in the Police Collectors News, write to POLICE COLLECTORS NEWS, R.R.1-Box 14, Baldwin WI, 54002.>

FROM DAN <CALA-359>:

LA County Fire UHF assignments have been changed. As of Sept 21, at 8:10 AM, UHF 4 <470.4625 Mhz> will now be known as "U-7", with Battalions 4 & 10 <and engine companies> to be assigned. UHF 12 <470.6625 Mhz> will know be known as "U-5", with Battalions 2 & 12 <and engine companies> to be assigned. It is unknown what will happen to the old U-7 <470.5375> & U-5 <470.4875>. One possibility is that several of the frequencies will be assigned to special operations <such as hazardous materials spills> and/or to training sessions. <Late word from Bill, the UHF freqs may be reassigned to the LA Sheriff's 470 systems.>

A LAST WORD FROM BILL <CALA-614>:

A last deadline entry lists several codes not found in Police Call or the Fox publications:

CODE	MEANING	USER
390-P	PCP suspect	LA Co Sheriff
CODE 11	Reported stolen vehicle	Monterey Park PD
CODE 24	Contact officer	Glendale PD
647-I	Unwanted intruder	Several Depts.
990	Pick-up or transport officer	Torrance PD
10-15	In-service	USFS <Angeles>
10-95	Cancel other units	Long Beach FD
537	Fraudulent activity	?
CCC	Criminal Activity Alert	Long Beach PD

Re: ? - Bill temporarily lost his notes on which agency uses code.

NOTE: For you trivia fans, Mr. Phelps WAS NOT the first leader of the IMF of the "Mission Impossible" TV series.

RAILROADS

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:

Bill Farmer, P.O. Box 1838, Thousand Oaks, CA 91360

In the December 1984 issue of the Newsletter we published an index to the Railroads Column covering 1979-1984. This month we will do the same for the year 1985. Again we will divide the subject listings into two parts; the first part lists the names of specific railroads covered, and the second part lists general articles which do not relate to any specific railroad.

RAILROADS

Alaska	Jun					
Algoma Central	Jun					
Alton & Southern	Mar					
Amax Coal Co.	Sep					
Amherst	Jul					
Amtrak	Jan	Feb	Mar	Apr	May	Jun
	Aug					
Atlanta	Jun					
Chicago	Jan	Feb	Apr	May	Aug	

Kansas City	Mar					
St. Louis	Mar					
Archer Daniels Midland	Sep					
Atchison, Topeka & Santa Fe	Jan	Mar	May	Aug	Oct	Nov
PBX	Oct					
Atlantic & E. Carolina	Jul					
Baltimore Region Rapid Transit System	Jul					
Batten Kill	Jul					
Bay Colony	Jan	Feb	Jul	Oct		
Belt Railway of Chicago	Mar					
Birmingham Southern	Jul					
Boston & Maine	Jan	Aug				
Brackenridge Park Railroad	Jun					
Brillion & Forest Junction	Sep					
Brooklyn Eastern District Terminal	Jul					
Brownsville & Rio Grande International	Jul					
Burlington Northern	Jan	Mar	Apr	May	Aug	Sep
	Nov					
Chicago	Apr	Aug				
St. Louis	Sep					
Road channel #2	Nov					
PBX	Apr	Aug				
Cadiz	Jul					
Cairo Terminal	Jul					
California Railroad Museum	Jun					
California Western	Jun					
Canadian National	Jan					
Canadian Pacific (see CP Rail)						
Caney Fork & Western	Jul					
Cape Cod & Hyannis	Jun	Jul	Oct			
Carbon County	Jul					
Central California Traction	Jul					
Central New York	Jul					
Central Wisconsin	Jul					
Chelatchie Prairie	Jun					
Chessie System	Jan	Mar	Jun	Oct		
Chicago & Illinois Midland	Mar					
Chicago & North Western	Mar	May	Sep	Oct		
Janesville, WI	Sep					
Chicago, Madison & Northern	Jul					
Chicago Short Line	Mar					
Chicago, South Shore & South Bend	Mar					
Circle Air Freight Corp.	May					
Colorado & Eastern	Jul					
Columbia, Newberry & Laurens	Jul	Sep				
Conrail	Jan	Mar				
Conway Scenic	Jun					
Cooperstown & Charlotte Valley	Jul					
CP Rail	Sep	Nov				
Road channel #4	Sep	Nov				
PBX	Nov					
Cumbres & Toltec Scenic	Jun					
Cuyahoga Valley	Jul					
Delaware & Hudson	Oct					
Delaware Coast Line	Jul					
Denver & Rio Grande Western	May	Oct				
Detroit, Toledo & Ironton	Oct					
Detroit Zoo	Jun					
Disney World	Jun					
Disneyland	Jun	Aug				
Duluth, Missabe & Iron Range	Oct					
Duluth, Winnipeg & Pacific	Apr	Oct				
Durango & Silverton Narrow Gauge	Jun					
East Tennessee	Jul					
Eastern Shore	Jul					
Elgin, Joliet & Eastern	Mar					
Eureka Southern	Jul	Aug				
Eureka Springs & North Arkansas	Jul					
Fonda, Johnstown & Gloversville	Jul					
Fox River Trolley Museum	Nov					

Georgetown Loop	Jun	Jul			
Georgia	Mar	Jun			
Gettysburg	Jun				
Golden Spike Nat'l. Historic Site	Jun				
Goodwin	Jul				
Grand Trunk Western	Jan	Mar	Oct		
Granite City Steel	Nov				
Great Western	Jul				
Green Mountain	Jul				
Huckleberry RR	Jun	Sep			
Hutchinson & Northern	Jul				
Illinois Central Gulf	Jan	Mar	May	Sep	Oct
East St. Louis	Sep				
Illinois Railway Museum	Jun	Sep			
Illinois Terminal	Mar				
Indiana Eastern	Jul				
Indiana Harbor Belt	Mar				
Indiana Hi-Rail	Jul				
Iowa	Jul	Sep			
Iowa Interstate	Sep				
Johnson, Kane, Warren & Irving	Jul				
Johnstown & Stony Creek	Jul				
Junction Valley	Aug				
Kankakee, Beaverville & Southern	Mar				
Kansas City Southern	Mar	Oct			
Kansas City Terminal	Mar				
Keokuk Jct.	Jul				
Keystone Steel & Wire	Sep				
Knott's Berry Farm	Aug				
Lackawaxen & Stourbridge	Jul				
LaSalle & Bureau County	Mar				
Long Island	Oct				
Louisville & Nashville	Jan	Mar			
Mad River & NKP Museum	Jun				
Madison	Jul				
Madison-North Vernon	Jul				
Maine Central	Oct				
Manitou & Pikes Peak	Jun				
Manufacturer's Junction (Chicago)	Mar				
Manufacturer's Railway (St. Louis)	Mar				
Marinette, Tomahawk & Western	Jul				
Maryland Midland	Jul				
McCloud River	Jul				
Metro-North Commuter	Jan				
Metropolitan Atlanta Rapid Transit Auth.	Aug				
Michigan, Wisconsin Transportation Corp.	Jan	Apr	Aug	Sep	
Mid-Continent Railway Museum	Jun				
Milwaukee Road	Jan	Mar	May	Oct	
Milwaukee Motor Transport Co.	May				
Minnesota, Dakota & Western	Jul				
Minnesota Transportation Museum	Jun	Jul			
Missouri-Kansas-Texas	Mar	Oct			
Missouri Pacific	Jan	Mar	Oct		
Monongahela	Jul				
Montour	Jul				
Montpelier & Barre	Jul				
Morristown & Erie	Jul				
Mount Washington Cog	Jun	Jul			
Nat'l. Railways of Mexico	Feb				
New England Southern	Jul				
New Hope Valley	Jul				
New Jersey Transit	Jan				
New York City Transit Authority	Jan	Jul			
New York Dock	Jul				
New York, Susquehanna & Western	Jul				
Nicolet Badger Northern	Jan	Jul			
Norfolk & Western	Jan	Mar	Jun	Nov	
North Central Oklahoma	Jul				
Northeast Illinois Regional Commuter Railroad Corporation	Feb	Mar	May		
Northwestern Steel & Wire	Sep				
Ogdensburg Bridge & Port Authority	Jul				
Oklahoma, Kansas & Texas	Mar	Jul			

Old Augusta	Jul					
Old Kenner Railroad Association	Jul					
Oregon, Pacific & Eastern	Jun					
Pacific Locomotive Association	Jun	Jul				
Peoria & Pekin Union	Mar					
Pittsburgh & Lake Erie	Nov					
Pittsburgh, Chartiers & Youghioheny	Jul					
Pocono Northeast	Jul					
Port Authority of Allegheny County	Feb	Oct				
Port Authority Trans-Hudson (PATH)	Jan	Jul				
Port Bienville	Jul					
Port of Tillamook Bay	Jul					
Portland light rail transit (Oregon)	Aug					
Portland Terminal (Maine)	Jan					
Portland Zoo (Oregon)	Jun					
PPG	Nov					
Prairie Central	Mar	Jul				
Prairie Trunk	Mar					
Providence & Worcester	Jul					
Puget Sound Railway Hist. Assn.	Jun					
Redwood Coast Railway Co.	Jul	Aug				
Richmond, Fredericksburg & Potomac	Jan	Mar	Nov			
Saltville	Jul					
Seaboard System	Jan	Mar	May	Jun	Nov	
Seattle & North Coast	Jul					
SEPTA (Philadelphia)	Jul					
Shore Fast Line	Jul					
Sierra	Jun					
Simpson Timber Co.	Jul					
Somerset	Jul					
Soo Line	May	Sep	Nov			
Southeastern Michigan Transit Authority	Jul					
Southern	Jan	Mar	Nov			
Southern Pacific	Jan	Jul	Nov			
St. Lawrence	Jul					
St. Louis Southwestern (Cotton Belt)	Mar	May	Nov			
PBX	Jan	Mar				
Stone Mountain Scenic	Jun					
Strasburg	Jun					
Tennessee Valley RR Museum	Jun	Sep				
Tennken	Jul					
Terminal RR Association (St. Louis)	Mar	May	Nov			
Texas City Terminal	Jul					
Texas State RR	Jun					
Toledo, Peoria & Western	Nov					
Tuscola & Saginaw Bay	Jul					
Union Belt of Detroit	Jul					
Union Pacific	Jan	May	Jul	Sep	Oct	Nov
Feather River Division	Oct					
Hinkle, OR	Jul					
Road channel #2	Sep	Nov				
PBX	Oct					
Valdosta Southern	Jul					
Valley (Essex, CT)	Jun					
Virginia & Maryland	Jul					
Washington Terminal (Union Station)	Feb	Jul				
Westchester County Transit	Jul					
Western Railroad Museum	Jun					
Whitewater Valley	Jun	Jul				
Wisconsin & Calumet	Aug	Sep				
Wolfeboro	Jan	Oct				
Yakima Valley Transportation	Jun					

SUBJECTS COVERED IN GENERAL ARTICLES

Advanced train control technology	Feb				
Association of American Railroads Frequency Assignment Plan	Jul	Aug	Oct	Nov	
Defect detectors	Jun				
Motorola MCX 100 railroad radio	Oct				
10525 MHz mystery solved	May				

Happy Holidays... —Gary & Bill

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

Larry Van Horn, 160 Lester Dr., Orange Park, FL 32073

Welcome to the December, 1985 issue of Space Comm. This month I will provide a complete index to the Space Comm columns since May, 1982 when it first appeared in the pages of the RCMA. There has not been an index of this column before, so I hope that it will be useful to the membership.

Some material will be put on hold this month including the Monthly Space Activity Report, Roger Byrd's second installment on TVRO satellite listening, and a report on Salyut 7 reception by Bob Rankin. Now on with the act...

Space Communications Index: May 1982-December, 1985

Part 1-Index by issue

May 82- Column Intro; Red Star in Orbit(Book Review); Amateur Satellite Intro.
Jun 82- Amateur satellite bands; Basic Microwave Bands; Phase III-B delayed Amateur satellite nets.
Jul 82- Radio Astronomy bands; Space Object Box Score; Salyut 7 launch; Space Frequency allocation chart.
Aug 82- Space Comm Beginners Glossary; Correspondance
Sep 82- Space names & systems; Correspondance; The Russians(Soyuz T-5)
Oct 82- STS-5 Mission Profile; Ham Shuttle Comms; Other Shuttle Comm Opportunities; SBS satellite profile; Anik C satellite profile.
Dec 82- Corrections, Additions, Deletions; Centric orbits defined; Cosmos SARSAT.
Jan 83- Big Dummy Award; Satellite receiving gear.
Feb 83- Home computers & satellites; New Russian amateur satellite; Ham radio in Space; Phase III-B launch, maybe?; Hamcom '83'.
Mar 83- UO-9 amateur radio satellite
Apr 83- Space Activity Report (82-99A to 82-121A)
May 83- Space Activity Report (83-1A to 83-11B); DSCS COMSATs
Jul 83- Space Activity Report (83-12A to 83-39A); FLTSATCOM revisited
Aug 83- Space Activity Report (83-40A to 83-46A); Correspondance; General Satellite notes.
Sep 83- FLTSATCOM Monitoring; Space Activity Report(83-47A to 83-59F); Oscar 10 launched (finally!!)
Oct 83- Space Activity Report (83-61A to 83-76A); Salyut 7-Cosmos 1443-Soyuz T-9; Monitoring Tips; General satellite news.
Nov 83- Space Activity Report (83-77A to 83-89A); W5LFL Ham STS mobile; AO-10 alive and well.
Dec 83- Space Activity Report (83-90A to 83-101A); Manned space rocket explodes; Soviets monitored; Correspondance
Jan 84- Space Activity Report (83-102A to 83-110A); Weather Satellites--The APT system; Summary sheet on TIROS-N/NOAA E-J spacecraft.
Mar 84- Space Activity Report (83-111A to 83-118A); W5LFL launches first "Ham-in-Space" operation; RCMA W5LFL notes.
Apr 84- Space Activity Report (83-119A to 84-4A); Space Activity report explained; The Book is out(Book review); Correspondance; GEOS
May 84- Space Activity Report (84-5A to 84-20A); New Discovery?; Campaign 84 and satellites; Japanese weather watchers lose GMS-2; WESTAR 6/Palapa B-2 Debris Id'ed.
Jun 84- Space Activity report (84-20A to 84-30A); Correspondance; Russians set new world record; OSCAR-11 launched; W5LFL QSL Card(picture).
Jul 84- Space Activity report (84-31A to 84-40A); Space Junkie Delight; W5LFL QSL's mailed.
Aug 84 Space Activity Report (84-42A to 84-50A); AMSAT & ARRL propose second "Ham-in-space" mission; Spacenet 1 launched; Leasat launched; Correspondance.
Nov 84- Space Activity Report (84-61A to 84-77A); STS-007 Get Away Special
Feb 85- Sneak peak at Russian TV; Personal location satellites

Jul 85- Space Activity Report (85-19A to 85-26A); Correspondance
Aug 85- Space Activity Report (85-27A to 85-33A)
Sep 85- Space Activity Report (85-34A to 85-41A); Correspondance
Oct 85- Space Activity Report (85-42A to 85-54A); TVRO Intro by Roger W. Byrd (NV-016)
Dec 85- July 1982 to Dec 1985 Space Comm column index.

Oct 82- Special feature to RCMA: Communications Profile: The Space Shuttle Communications System

Part 2- Index by Subject

Amateur Satellite Bands-Jun 82
Amateur Satellite Intro- May 82
Amateur Satellite Nets- Jun 82
Amsat & ARRL propose second "Ham-in-space" mission- Apr 84
Anik C satellite profile- Oct 82
AO-10 alive and well- Nov 83
Basic Microwave bands-Jun 83
Big Dummy Award- Jan 83
Book Review: Red Star in Orbit -May 82
Book Review: The Book is out - Apr 84
Campaign 84 and satellites- May 84
Centric Orbits defined- Dec 82
Column intro-May 82
Correctionc, Additions, Deletions- Dec 82
Correspondance- Aug 82, Sep 82, Aug 83, Dec 83, Apr 84, Jun 84, Aug 84, Jul 85, Sep 85
Cosmos SARSAT- Dec 82
DSCS COMSATs- May 83
FLTSATCOM revisited- Jul 83
FLTSATCOM Monitoring- Sep 83
General satellite news- Oct 83, Aug 83
GEOS reception: a simple approach- Apr 84
HAMCOM '83'
Ham radio in space- Feb 83
Ham shuttle comms- Oct 82
Home computers & satellites- Feb 83
Japanese weather watchers lose GMS-2 - May 84
Leasat launched- Aug 84
Monitoring Tips- Oct 83
Manned space rocket explodes- Dec 83
New Russian amateur satellite- Feb 83
New Discovery? - May 84
Other shuttle comm opportunities- Oct 82
OSCAR-10 launched (finally!!)- Sep 83
OSACR-11 launched- Jun 84
Personal location satellites- Feb 85
Phase III-B delayed- Jun 82
Phase III-B launch, maybe? - Feb 83
Radio Astronomy bands- Jul 82
RCMA W5LFL notes- Mar 84
Russians set new world record- Jun 84
Russians (Soyuz T-5)- Sep 82
Salyut 7-Cosmos 1443-Soyuz T-9 - Oct 83
Salyut 7 launch- Jul 82
Satellite receiving gear- Jan 83
SBS satellite profile- Oct 82
Sneak peak at Russian TV- Feb 85
Soviets monitored- Dec 83
Space Activity Report- Apr 83, May 83, Jul 83, Aug 83, Sep 83, Oct 83, Nov 83, Dec 83, Jan 84, Mar 84, Apr 84, May 84, Jun 84, Jul 84, Aug 84, Nov 84, Jul 85, Aug 85, Sep 85, Oct 85
Space Activity Report explained- Apr 84
Space Comm Beginners glossary- Aug 82
Space Comm column index- Dec 85
Space Frequency Allocation chart- Jul 82
Space Junkie Delight (USSEA organization review)- Jul 84
Space names & systems- Sep 82
Spacenet 1 launched- Aug 84
Space Object Box score- Jul 82
STS-5 mission profile- Oct 82

STS-007 Get Away Special- Nov 84
Summary sheet on TIROS-N/ NOAA E-J spacecraft- Jan 84
TVRO intro by Roger W. Byrd (NV-016) - Oct 85
UO-9 amateur satellite- Mar 83
W5LFL Ham STS mobile- Nov 83
W5LFL launches first "Ham-in-Space" operation - Mar 84
W5LFL QSL card(picture)- Jun 84
W5LFL QSL's mailed- Jul 84
Weather satellite-- The APT system- Jan 84
WESTAR 6/ Palapa B-2 pieces ID'ed- May 84

Well that's it for this the first index of Space Comm ever. CU in 30 with our regular features and some interesting contributions.

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware, and District of Columbia:

COLUMN EDITOR WANTED

TECHNICAL TOPICS

Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions to:

Stephen A. Kayworth, 21551 Kapok Circle, Boca Raton, FL 33433

READER NOTES ON THE FRG-9600
and
1983/84/85 Index

Last month I gave an overview of the Yaesu FRG-9600 receiver. Since then I have received some reader input which adds a little more information to what has already been presented. The first comments come from John (CAOR-078) and Bryan (CARO-097) and concern the scanning rate of the FRG-9600 when driven by a computer. They write:

> We had a good demo...of the FRG-9600 - A Commodore will drive it 25 channels/sec, an Apple 30 (channels/sec), which is the radio's limit.

I wonder if the scan rate can be changed when using a computer for control or is it fixed to a certain value depending on the computer used? Does anyone have any input on this?

John and Bryan also were able to measure the sensitivity of the receiver using a Hewlett Packard 8663A signal generator. Their results are shown below.

Frequency	Sensitivity	Signal vs. S-meter
60 MHz	.22uV	2.2uV = S3 70 uV = S9 2.6mV = FS
100 MHz (FM Broadcast Mode)		21.5uV = S3 1.25mV = S9 87.6mV = FS
100 MHz	.32uV	5.2uV = S3 110uV = S9 14mV = FS

220 MHz	.3uV	
300 - 350 MHz	.32uV	
399.900 MHz	.32uV	
400.000 MHz	.80uV	20uV = S3 200uV = S9 2.3mV = FS
500 MHz	.35uV	
825 MHz	.64uV	
900 MHz	1.0uV	
905 MHz	1.2uV	

uV = Microvolts
mV = Millivolts
FS = Full-Scale

John and Bryan make some final comments on the FRG-9600. First, they observe that "the big shift (in sensitivity) at 400 MHz could be due to pin diode switched amplifiers/filters in units for the various bands." The tests don't show what the sensitivty is in the 420 - 500 MHz range, but I would suspect (and hope) that it gets back down to the .32uV area in this range.

Also mentioned was an article in the October 1985 issue of Ham Radio magazine (pp. 67-70) describing a converter which will allow the FRG-9600 to receive 0.1 - 60 MHz. This is done by shifting this range up 100 MHz so that it can be received by the FRG-9600. It should work well on other scanners too, but unless the scanner you are using can receive AM and SSB, It won't do you a lot of good since many of the signals found below 30 MHz are of this type.

I also received a letter from Alex (CAN-040) in which he expressed some thoughts on the FRG-9600. Alex states that it is an "excellent receiver" but may have a couple of deficiencies, depending on your requirements. Alex writes:

> First, in both the search and scan modes when it comes upon a signal, it pauses for about 6 seconds and then goes on. It would require less attention if it stopped until the transmission was over and then went on. Second, although it has a 100 channel memory, it can only be scanned 10 channels at a time. It is not possible to combine 2 banks of 10 into one scan.

Does anyone know if this second problem is overcome when the FRG-9600 is being driven by a computer? From the comments I received from John and Bryan, I think that this might be true.

Alex makes the final comment that the receiver appears to be "very sensitive and has excellent sound."

My thanks go to John, Bryan and Alex for their input concerning the FRG-9600. As more information becomes available, I'll pass it along.

Best wishes to all of you for a happy and healthy holiday season. I'll be seeing you in the new year.

Best wishes 'til then,

Steve

1983/84 By Issue

October 1983	Scanning 800 MHz
December 1983	Some antenna basics
	A ground plane for 800 MHz
January 1984	Description of how a repeater works
February 1984	Space shuttle Columbia
	Radio Shack PRO-24 improvements
March 1984	Bearcat 250: Bench test, overview, and out-of-band scanning
April 1984	Bearcat 250: Recording and Auxilliary features discussed
May 1984	Bearcat 250: Remote scan switch

	Radio Shack PRO-30 Bench test and review
June 1984	Remote control of radio systems
July 1984	Bearcat 250 revisited
August 1984	Pandora's Box
September 1984	Regency MX-5000 review
October 1984	Amplitude Compandored Sideband (ACSB) - Part 1
November 1984	ACSB - Part 2
December 1984	ACSB - Part 3

1983/84 By Subject

Accessories:	Bearcat 250 recording cable	April/July '84
	800 Mhz ground plane antenna	December '83
	Bearcat 250 remote scan switch	May '84
Antennas:	Antenna Basics	December '83
	800 MHz ground plane antenna	December '83
Reviews:	Radio Shack PRO-24	February '84
	Bearcat 250 review and out-of-band use	March '84
	Bearcat 250 recording and Auxilliary use	April '84
	Radio Shack PRO-30 review and bench test	May '84
	Regency MX-5000 review	September '84
Special Topics:	800 MHz	October '83
	Antenna Fundamentals	December '83
	Repeaters	January '84
	Ham Radio In Space	February '84
	Remote Control	June '84
	Pandora's Box	August '84
	Amplitude Compandored Sideband (ACSB)	October '84
	ACSB Part 2	November '84
	ACSB Part 3	December '84
Misc:	Bearcat 250 recording hum solution	July '84

1985 By Issue

January 1985	Regency HX-1000 user review
February 1985	Interference causes - spurs and harmonics
March 1985	Charging stand for Regency HX-1000
April 1985	Kenwood TR2600A user review
May 1985	Regency HX-2000 user review
	ACSB monitored
	Regency Hiss
	Motorola speaker for Hand-Held scanners
June 1985	Regency MX-7000 user review
July 1985	Regency MX-7000 bench test
August 1985	Basics of filters
	Regency Z45 user review
September 1985	Grove Scanner Filter III and ANT4C preamp review
	Hamtronics Amplifilter SA-1 review
October 1985	Bearcat 50XL and 800 XLT review
	HX-1000 Mobile holder
November 1985	Icom R7000 review
	Yaesu FRG-9600 review
December 1985	Yaesu FRG-9600 user input
	1983/84/85 index by issue and subject

1985 By Subject

Accessories:	Charging stand for HX-1000	March '85
	Motorola speaker for hand-held scanners	May '85
	HX-1000 mobile holder	October '85

Reviews:	Regency HX-1000	January '85
	Kenwood TR-2600A	April '85
	Regency HX-2000	May '85
	Regency MX-2000	June/July '85
	Regency Z45	August '85
	Grove FTR 3 and ANT4C	September '85
	Hamtronics SA-1	September '85
	Bearcat 50XL and 800 XLT	October '85
	Icom R2000	November '85
	Yaesu FRG-9600	November '85
	Yaesu FRG-9600	December '85
Special Topics:	Interference causes - spurs and harmonics	February '85
	Basics of filters	August '85
Misc:	Regency Hiss	May '85
	ACSB monitored	May '85

VHF MARINE

Send information, articles, frequencies and their use, and questions that relate to private, commerical, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 4122 Granby St., Norfolk, VA 23504

Merry Christmas and welcome to your December 1985 VHF Marine Column.

This month we have been asked by the General Editor to give you a yearly index. We will comply and it now follows:

JANUARY 1985:

Report on decline in abuse of channel 16 in the NJ-NY area.
Listeners log and profile of the NJ/NY area CG Units and Stations.
Listeners log and profile of the Florida Gold Coast area CG Units & Stations.
Gulf Coast CG Frequencies.
VHF Profile - Pascagoula.Mississippi.
VHF Profile - Mobile,Alabama.
VHF Profile - New Orleans,La.

FEBRUARY 1985:

Report on Pudget Sound Traffic Control System.
Report on the Providence,RI area along with loggings.
Admiralty list of Radio Signals.
Report on ERIPB'S.
Report on the Chicago,Il. area.
VHF Profile: West Side Lake Michigan-Illinois.

MARCH 1985:

English Coast Guard along with Air Operations.
Newspaper Article on Drawbridges,along with a list of some New Jersey Drawbridges.
A list of some N.J. Drawbridges that are Radio Equipped.
Greenpeace article concerning the Great Lakes Area.
VHF Profile: West side Lake Michigan-Wisconsin.

APRIL 1985:

Report on New York Harbor area operations concerning tugs and C.G Units.
C.G.N.Y. area stations and small boat assignments.
C.G.N.Y. area Cutter list along with homeports.
A listeners loggings on the San Francisco area.
A newspaper article concerning a large Great Lakes Freighter.
A direct dial marine radiotelephone system for the Great Lakes.
Misc. VHF Marine Listings

MAY 1985:

Canadian Coast Guard Marine Units.
Vancouver,B.C. area Marine Stories.
British Columbia area Canadian VHF frequency & usage chart.
Puget Sound VTS Remote Sites and channels.
Various Marine listings.

JUNE 1985:
---
3 newspaper articles on "Mayday Hoax" on radios.
New antenns sites for antennas
LA/Long Beach Profile

JULY 1985:

Report on the Detroit River Area & loggings.
Report on the Long Beach & San Pedro,Ca. Harbors areas & loggings.
Report on Lake Mead,Colorado area.
List of CG Cutters based in the San Francisco Bay area.
Report of 11th. CG District.
Report of several Philadelphia area bridges.
Report of the San Francisco Bay Area with loggings.
Report on a book thata shows pictures of various CG Cutters.

AUGUST 1985:

Report on N.Y.Harbor area with loggings and marine listings.
NY/NJ Tug offices and frequencies.
NY City Fire Dept. Fireboats
Safety Procedures
Various other Fireboat listening.

SEPTEMBER 1985:

Report on standard radio procedures for CG Helos working SAR.
Report on a book that contain pictures of U.S.Military Ships.
Report on the ocean liner S.S.Azure Seas.
Listings of the Vacaville,Ca. area marine radios.
Listings of the Ulster County,NY area marine radios.
Report on the Kingston,NY (Hudson River) marine listings.
Report on the Great Lakes Marital System.

OCTOBER 1985:

Profile of the 13th. CG District:
Group Commands & units assigned.
Puget Sound vessel traffic system.
Broadcast Schedules.
Group Working Channels.
13th.District National VHF-FM Distress System Antenna Sites.
CG VHF/UHF AM Frequencies
CG VHF-FM Frequencies.

NOVEMBER 1985:

Pacific Coast Canada VTS Seattle information report.
Prince Rupert Traffic Zone.
Tofino Traffic Zone.
Vancouver Traffic Zone.
Various Pacific Coast Canada Railway Bridges.
Loggings & listings from the lower Lake Michigan area.
Report on Chicago CG Stations rumored to be closing.

DECEMBER 1985:

VHF MARINE COLUMN INDEX FOR 1985

Well you have seen my first index. It probably leaves a lot to be desired but it was a good try. I tried to capture everything but I

probably missed someone or something; to this I am sorry,I'll try to do better next time.

This is about all the information that will be presented this month. I will get back to normal next month with more marine information.

Now down to serious facts. There are a lot of you that read this column that also help support it. Then their are others that read it and don't support it. I know that most members probably consider this column a secondary column to columns like the Public Safety Columns. But you know the marine column has lots of variations that can tie in with other columns. Try some of the variations and see for yourself. Right now as I write this column the eye of Hurricane "GLORIA" is just 60 miles to the east of Norfolk and winds are gusting up to 90 miles per hour. My scanner is going bananas and I am listening to the VHF Marine Band.I just hope that the power stays on so I won't lose this column on my computer. Tugs are being called to help hold ships to the piers. Most naval ships are out to sea or anchorage and the ones at piers are being assisted by tugs. Heavy seas with waves as high as 48 feet have been reported off Cape Henry. With all this going on you would think that no Ships would be out but you are wrong. The Coast Guard and Tugs are helping each other with vessels having problems in Hampton Roads.

The next morning things are still just as busy. The storm has moved up to the New Jersey Coast but the Coast Guard is busy rounding up loose boats and assisting wherever needed.

The above is a example of what I was talking about of variations on the marine channels. The marine units woprked with various police departments,hospitals,other government units and misc. other units.

And you should have heard the maritime telephone channels - WOW - all five Norfolk Channels were booming with business.

Marine scanning is what you make it.You can make it good or bad.It depends on how much time you spend on it.

As far as I am concerned I have Coast Guard information dating back to the 1950's when the CG Units were called by call signs and not station names and when all CG Ships had three call signs,for international purposes and wartime uses.

But the frequencies have changed and lots of the old stations and all signs have been retired.

This all goes on to prove that I have been listening for a long time and that a good SAR Case or Special Operations are all good listening.

By searching some of the government channels you can pick up information from Navy tugs or security vessels on patrol talking to their bases.

Even by tuning the dial you can listen to Port Authority Police or Longshoremen working the piers and ships.

Well I will climb down off my soap box now and be quite until next month. Lets see some more members share their experiences with all of us.Just remember that the more you send in the less I have to write. And at the present time I need all the information that I can get. Why not send some in and share it with other club members.

See you next month. HAPPY NEW YEAR.

RCMA NEW MEMBERS LIST

AL 028 - WAYNE PULLEN;1321 EDGEWOOD DR;DEMOPOLIS;AL;36732
AL 029 - DAVID BOON;3715 UNIV BLVD E MO 4;TUSCALOOSA;AL;35404
CAIN001 - LARRY K. PECKHAM;BOX 241;INDEPENDENCE;CA;93526
CAKE026 - ROBERT HERMAN;RT 1 BOX 1415;WOFFORD HGTS;CA;93285
CALA631 - HERBERT D. ISKE;9000 FAIRVIEWAVE #210;SAN GRABRIEL;CA;91775
CALA632 - DAVID BUCKOWSKI;535 E CEDAR AVE UNIT P;BURBANK;CA;91501
CALA633 - C.W. DRIBBLE;P.O. BOX 9195;MARINA DEL REY;CA;90295
CAOR300 - ROB --LAST NAME AND ADDRESS WITHELD BY REQUEST
CAOR301 - MICHAEL KOEGEL;3806 INLET DR;CORONA DEL MAR;CA;92625
CARI058 - TIM KOCHEN;3533 TEMESCAL;NORCO;CA;91760
CASC050 - ERIC J. SEFING;165 BLOSSOM HILL RD SPACE #119;SAN JOSE;CA;95123
CASD072 - W.R. CHRUCHILL JR;10491 GUINCHO DR;SAN DIEGO;CA;92124
CASF039 - GREGG STOVER;3020 SCOTT ST;SAN FRANCISCO;CA;94123
CASJ011 - ROBERT N. EUSTIS;2726 PRINCETON;STOCKTON;CA;95204

NEW MEMBERS LIST continued

CAVE032 - JOHN M. FICKEWIRTH;578 EL SOL ST;OJAI;CA;93023
FL 201 - TOPPY L. CARTER III;3807 MIRUELO CIRCLE N;JACKSONVILLE;FL;32217
FL 202 - BERNARD IRBY;3316 S E FT KING;OCALA;FL;32671
GA 009 - WM T. MARTIN;BOX 2951;WARNER ROBINS;GA;31099
GA 010 - JOHN W. HUECKSTEADT;5677 MILL SHIRE LANE;DUNWOODY;GA;30338
IL 309 - CHARLES G. MORITZ;3819 13TH ST;MOLINE;IL;61265
IL 310 - RON KOSINSKI;3823 W 76TH ST;CHICAGO;IL;60652
IL 311 - JERRY JACOBS;9136-B WAUKEGAN RD;MORTON GROVE ;IL;60053
IL 312 - ROBERT FLEISCHMANN;10756 S HAMLIN;CHICAGO;IL;60655
KY 045 - WILLIAM MCGUIRE;800 WARFIELD PL;LEXINGTON;KY;40505
MA 154 - H. REID WARD;288 CENTRE AVE;ARLINGTON;MA;02351
MA 155 - PETER SZERLAG;24 ALBERMARLE ST;ARLINGTON;MA;02174
ME 021 - TIM HUTCHINSON;1 KNOLLWOOD DR #16;BREWER;ME;04412
MI 159 - BISSAM T. MASSOUD;1939 WOODSLEA DR #9;FLINT;MI;48507
MN 047 - DENNIS MOSSING;1609 46TH ST N W;ROCHESTER;MN;55901
NM 017 - GEORGE S BRUNSON JR;1301 ARIZONA NE;ALBUQUERQUE;NM;81101
NV 017 - RICHARD TUFFEY;10 DEL ANO DR N;LAS VAGAS;NV;89110
NY 327 - DENNIS KNOWLES;102-22 92ND AVE;RICHMOND HILL;NY;11418
NY 328 - TONY COMERFORD;P.O.BOX 587 CATHEDRAL STATION;NEW YORK;NY;10025
OH 176 - GARY KAWAMOTO;2080 RICHLAND AVE;LAKEWOOD;OH;44107
OH 177 - ROLAND PHILLIPS;248 E JACKSON ST;MILLERSBURG;OH;44654
OH 178 - CAPT STEVEN C. BROWN;2195 ROCKDELL DR #4;FAIRBORN;OH;45324
TN 032 - RICHARD BROWN;5382 STARDUST DR;MEMPHIS;TN;38134
VA 098 - LEONZO WILLIAMS;4609 NORRIS CT;CHANTILLY;VA;22021

MAILING PROCEDURES

The newsletter mailed each month has a cover date for the following month. This practice is followed so that the US Post Office can deliver your issue no later than the first of the month designated on the cover.

New members whose applications are received before the end of the month will begin receiving the newsletter the following month. The first issue will be dated the month after that — as described above.

RENEWAL PROCEDURES

During the month your membership — and therefore your newsletter delivery — is due to expire, you will receive a renewal notice in the form of a postcard. It contains all the information you need to continue receiving the newsletter.

Renewal checks and new membership applications received by RCMA's General Manager, P.O. Box 542, Silverado, CA 92676, are processed for deposit on a weekly basis. Actual computer updating is done at the end of each month. If your check/MO is received after this cut-off date, you will miss the next issue of the newsletter and your new renewal date will be moved back accordingly.

PRORATED MEMBERSHIPS

Due to postage costs and other considerations, membership applications or renewals for any sum less than the current rate are prorated accordingly. This means that the renewal date will be due in less than a year. Please do not send more money to finish the year; just renew when your prorated date comes up.

Also because of postage costs, RCMA cannot comply with member requests to supply back issues free of additional charge (see the monthly Calendar section regarding ordering of back issues). If a late renewal results in a missed issue, the newsletter can be ordered from RCMA's secretary.

ADDRESS CHANGES

MEMBER notifications of address changes are also updated at the end of each month. If this type of address change notice arrives after the cut-off date, the mailing label will not reflect the new address until the following month.

The newsletter is mailed 3rd class under a bulk mail permit. When a member's address change is supplied by the POST OFFICE (instead of by the member), the charge to the club is 30¢.

SPECIAL FREQUENCY REQUESTS

Get in touch with your local RCMA group (see monthly Calendar section for chapter listings) or use the Contact/Information Wanted column for frequencies in your area. RCMA is not yet set up for national distribution of frequencies, although ultimately, the 'big picture' could include copies of the FCC and IRAC data bases, a fast computer, and software to select and sort in any order.

Contributions of frequencies and other material must be sent to the appropriate newsletter editor. (Editors use their own discretion in printing material sent them by non-members.) Data sent to P.O. Box 4563 is always subject to delay and sometimes cannot be forwarded because of postage costs.

DISCLAIMER

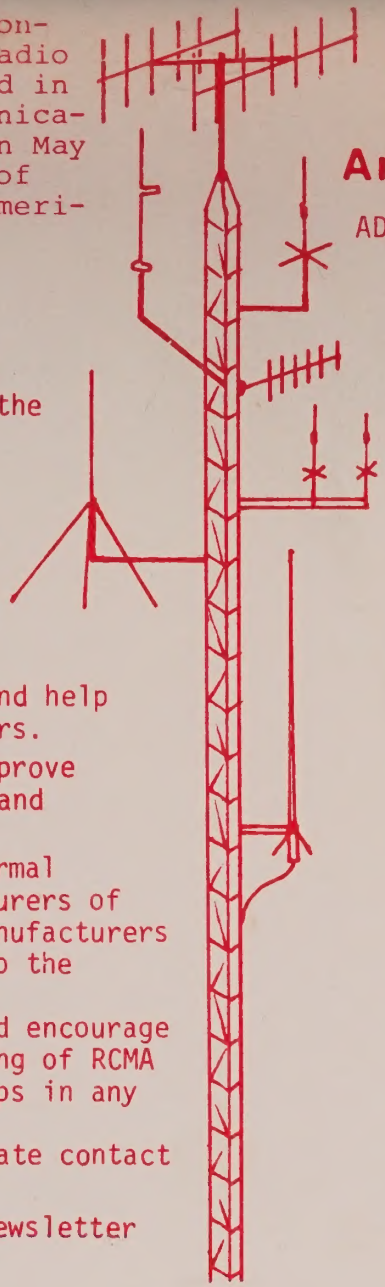
RCMA is a non-profit club for scanner enthusiasts. Neither RCMA or its newsletter are affiliated with, participate in the management of, or are responsible for, any other organization or publication. This disclaimer includes application to POLICE CALL, an annual publication put out by RCMA's good friend Gene Hughes. Queries about this publication cannot be answered by RCMA.

PLEASE REMEMBER — When writing to RCMA for any reason, include your membership number. Use it on your correspondence, checks, or money orders. RCMA tries hard to be responsive to your questions/problems. Using your membership number when you write helps us be of help to you.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of the Association of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



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